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SECTION 1

INTRODUCTION

The Illinois Environmental Protection Agency's Site Assessment Unit was tasked by Region X of the United States Environmental Protection Agency (U.S. EPA) to conduct a CERCLA Integrated Assessment (IA) of Gibraltar Manufacturing (IL# 0000034322) in Madison County, Illinois.

Gibraltar Manufacturing was placed on the Comprehensive
Environmental Response, Compensation, and Liability Act
Information System (CERCLIS) on October 13, 1993. This action
was the result of a request from the Illinois Environmental
Protection Agency (IEPA) Collinsville Regional Office that an
Integrated Assessment be conducted at this site. Fire department
officials notified the Collinsville office about the presence of
hundreds of Westinghouse Wemcol (non-PCB) capacitors and three
General Electric Pyronol capacitors which did contain PCB oils.
On of the Pyronol capacitors was observed leaking oil onto the
ground by IEPA personnel.

A removal of the capacitors was conducted by Illinois Power in February of 1992. The environmental engineering firm of Shifrin & Associates was contracted by the Dale Benner Estate to conduct an assessment and removal of the remaining wastes. Refer to the site history section of this report for further explanation of remedial activities.

The purposes of an Integrated Assessment have been developed from U.S. EPA directive and guidance information which outlines Site Assessment program strategies. The information states:

An Integrated Assessment will be conducted to:

- 1) Collect data which would satisfy both site assessment and remedial program activities. This would incorporate hazardous waste, surface water, air, and groundwater concerns.
- 2) The objectives of the assessment are to determine whether time or non time critical removals are warranted and to determine whether the site is of Nation Priorities List (NPL) caliber. If the determination is made that the site is of NPL caliber, additional data will likely be needed to complete the assessment. A sampling plan to accommodate the removal and site assessment needs, as well as initial remedial needs should be developed.
- 3) Determination of site sampling needs will be accomplished with an understanding to assure adequate data for the removal assessment and the preparation of the Hazard Ranking System (HRS) score as well as the need for possible initial sampling for the remedial investigation. Based on the preliminary HRS score and removal program information, the site will then either be designated as No Further Action (NFA), or carried forward as a NPL listing candidate. Sites that are designated NFA or deferred to other statutes are not candidates for an Integrated Assessment.
- 4) Upon completion of the data gathering, there will be a determination of whether the site should be forwarded within the Superfund process, either through the remedial or removal programs.

The initial assessment of a site as it enters the Superfund program within Region V will be conducted by either a Regional On-Scene Coordinator (OSC) and a Site Assessment Manager (SAM) or IEPA personnel. An OSC and a SAM will be assigned for all new sites entering the Regional Superfund program. If an emergency is found to exist, U.S. EPA or IEPA emergency removal staff will be immediately contacted for action. If the site needs further Superfund activities, a Site Assessment Team (SAT), comprised of an IEPA representative, the SAM, an OSC, and a Regional Project Manager (RPM), will be formed. As necessary, additional data can be generated for the SAT to make a recommendation

to the Regional Decision Team (RDT) for further possible action.

The Integrated Assessment will address all the data requirements of the revised HRS using field screening and NPL level Data Quality Objectives (DQOs) prior to data collection. It will also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for NPL listing and that have not been deferred to another authority will receive an Integrated Assessment.

U.S. EPA Region V offices have requested that the Illinois
Environmental Protection Agency identify sites during the
Integrated Assessment that may require removal action to
remediate an immediate human health and/or environmental threat.
A Removal Integrated Site Evaluation form pertaining to site
specific operations and waste characteristics was completed and
forwarded to Region V.

During the field investigation portion of the Integrated Assessment a number of environmental samples were collected from the facility and migration pathways of concern. Analysis of these samples suggests that some have exceeded the established CERCLA Removal Action Levels (RALs). Therefore, a Region V On-Scene Coordinator will be assigned to Gibraltar Manufacturing.

During the Integrated Assessment a number of other Removal Action Criteria were also evaluated. These criteria included the presence of: contaminated drinking water supplies, hazardous substances stored in containers that may pose a threat of release, high level contamination at or near the surface in soils

that may migrate, and a threat of fire or explosion. (Refer to the supporting documentation section of this report for a complete listing of these factors).

Based on the information gathered over the course of the formal Integrated Assessment, the author has concluded that Gibraltar Manufacturing may pose enough of a threat to the environment to warrant a CERCLA non-time critical removal action.

It should be stressed that the CERCLA removal status can be re-evaluated at such time that additional information suggests that the site may be posing a threat to human health and/or the environment.

SECTION 2

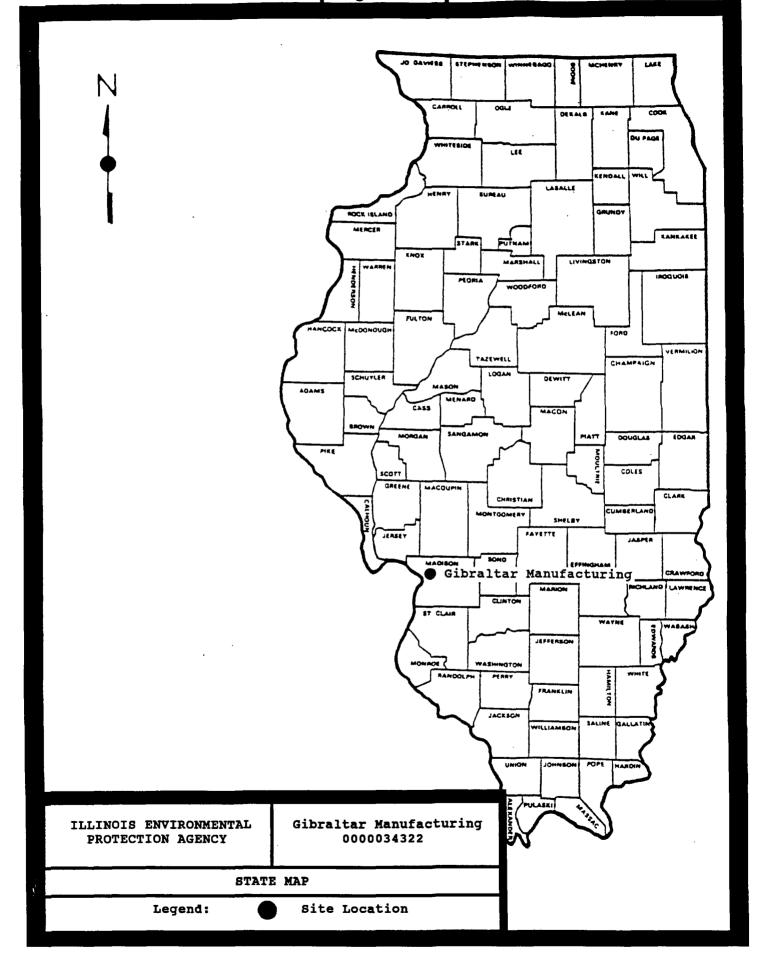
SITE BACKGROUND

2.1 INTRODUCTION

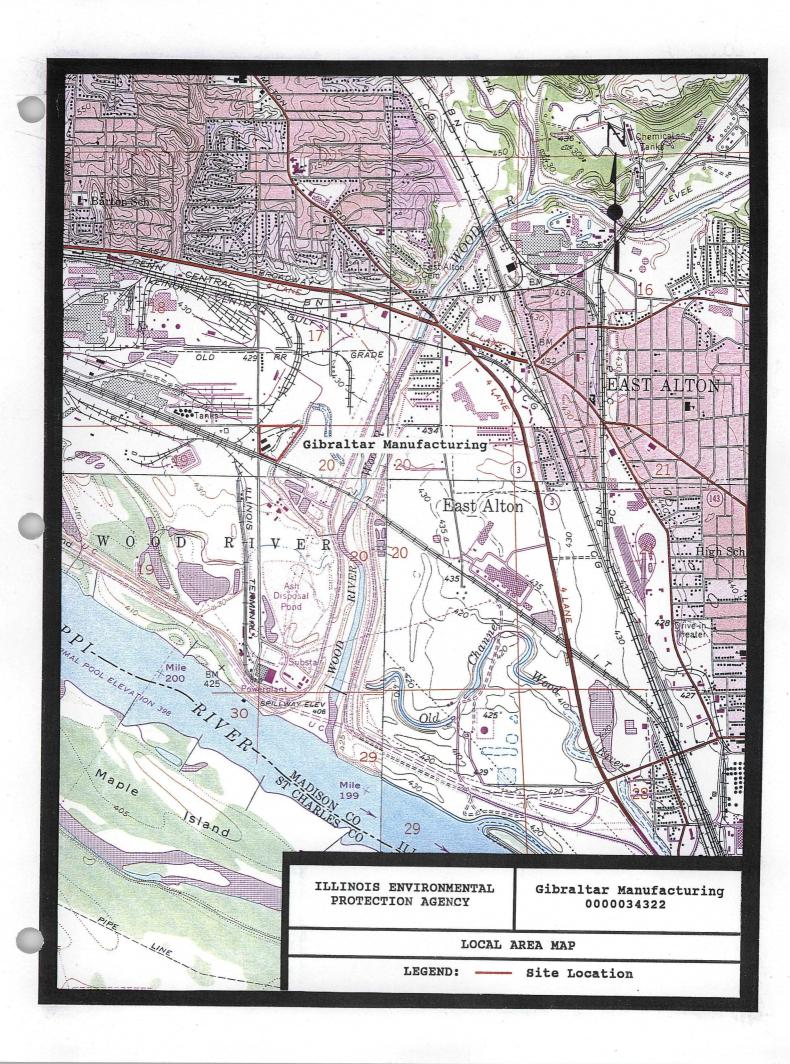
This section includes information obtained over the course of the formal CERCLA Integrated Assessment and previous U.S. EPA and IEPA activities involving Gibraltar Manufacturing.

2.2 SITE DESCRIPTION

The mailing address given for Gibraltar Manufacturing is 101 Chessen Lane Alton, Illinois. The property is approximately 8.5 acres in size. The area around the site is exclusively industrial. Properties neighboring the site are Illinois Power to the west, Laclede Steel to the north and east, and a wastewater treatment plant operated by the City of Alton to the south. The physical borders of the property are formed by Chessen Lane on the west, an unnamed stream to the east, Norfolk & Western Railroad tracks on the south, and Laclede steel to the north. The site is irregular in terrain and is overgrown by vegetation in all areas except where soils were removed and the area in which the foundation of a building is visible. All of the structures at the property have been demolished. There is no current use of the property. The legal description given for Gibraltar Manufacturing is Section 20, Township 5 North, Range 9 West of the Third Principle Meridian, Madison County. A 4 mile radius map of the area around the site be found in Appendix A of this report.







To reach the site travel west on State Route 140 into Alton, Illinois. Take a left on State Route 3 and head south for approximately 1 1/2 miles. Take a right heading west at the intersection of Route 3 and Broadway. Continue west on Broadway for roughly 1 1/4 miles and turn left onto Chessen Lane. The site is on the east side of Chessen Lane approximately a 1/2 mile south of the intersection with Broadway.

2.3 SITE HISTORY

Operations at the property began in the 1920's during which time a chemical facility that produced rodent poison occupied the property. Mr. Dale Benner (deceased) purchased the property in the early 1940's. Mr. Benner began the Gibraltar Manufacturing operation which produced coal cars and rail used in coal mining operations. In 1968 the facility was destroyed by a fire which resulted in the cessation of manufacturing operations at the property. Between 1968 and 1992, the property was used as an unauthorized open dump. Mr. Benner accepted some of the wastes dumped at the property for scrap. Items disposed of at the property include 55-gallon drums, capacitors, automobiles, tires, and household refuse.

The site is currently inactive and owned by the Dale Benner Estate. In 1992 Illinois Power agreed to remove the capacitors. Representatives for Illinois Power indicated that a third party was responsible for dumping the capacitors at the property.

Shifrin & Associates conducted their portion of the clean-up without IEPA oversight or approval. This clean-up involved the removal of all of the 55-gallon drums as well as soils that were identified as contaminated through sampling conducted by Shifrin & Associates. These wastes were disposed of at various hazardous waste facilities throughout the Midwest. Mr. Elder contacted the IEPA Used Tire Program to dispose of the tires that had been dumped at the property.

2.4 APPLICABILITY OF OTHER STATUTES

This section addresses any other EPA programs that may be associated with Gibraltar Manufacturing. Other than the unauthorized dumping at the property, activities at the facility ceased in 1968, prior to RCRA or any other EPA regulations. Given the years and nature of operations it is unlikely that the site subject to the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), the Atomic Energy Act (AEA), or the Uranium Mill Tailings Radiation Control Act (UMTRCA).

SECTION 3

INTEGRATED ASSESSMENT ACTIVITIES

3.1 INTRODUCTION

This section outlines procedures utilized and observations made during the Integrated Assessment. Specific portions of this section contain information pertaining to the reconnaissance inspection, sampling, decontamination procedures, and the associated analytical results. Also included in this section is information about the soil/sediment samples that were collected during the sampling event. This is followed by a description of the analytical results and a table indicating the key samples and their contaminants.

The Integrated Assessment for Gibraltar Manufacturing was conducted in accordance with the work plan which was developed and submitted to U.S. EPA Region V prior to the initiation of field sampling activities. The "Potential Hazardous Waste Inspection Report" (U.S. EPA Form 2070-13) for Gibraltar Manufacturing is located in Appendix C of this report.

3.2 RECONNAISSANCE INSPECTION

A site reconnaissance of the facility was conducted on October 20, 1993 by members of the IEPA Site Assessment Unit. Mr. Robert Ryan, attorney for the Dale Benner estate, was notified of the IEPA's intent prior to the site recon. Upon arrival at the site IEPA representatives met with Mr. Samuel Elder, an employee of

Shifrin & Associates. At the time of the reconnaissance visit, wastes and soils were being removed for disposal. Mr. Elder explained what types of wastes had been dumped at the property and the related contaminants and what was being done to remediate these problems.

The property was littered with piles of tires and 55-gallon drums. Some drums were empty but others contained products such as paint sludges, waste oils, and smelting waste. None of the capacitors mentioned in the notification letter from the Collinsville Regional Office remain on-site. The unnamed stream which forms the eastern property border has been identified as a perennial by U.S. Geological Survey topographic maps. Stream flow is towards the south past the property and eventually drains into the Wood River.

The area in which the focus of the remedial activities occurred had been built up due to a filling in from the unauthorized dumping that occurred at the property. The site gradually slopes towards the east in the direction of the unnamed stream. The nearest residences are located roughly a 1/2 mile north of the site. All of these homes receive drinking water from public supplies. IEPA representatives returned to Springfield at the conclusion of the reconnaissance visit.

3.3 SITE REPRESENTATIVE INTERVIEW

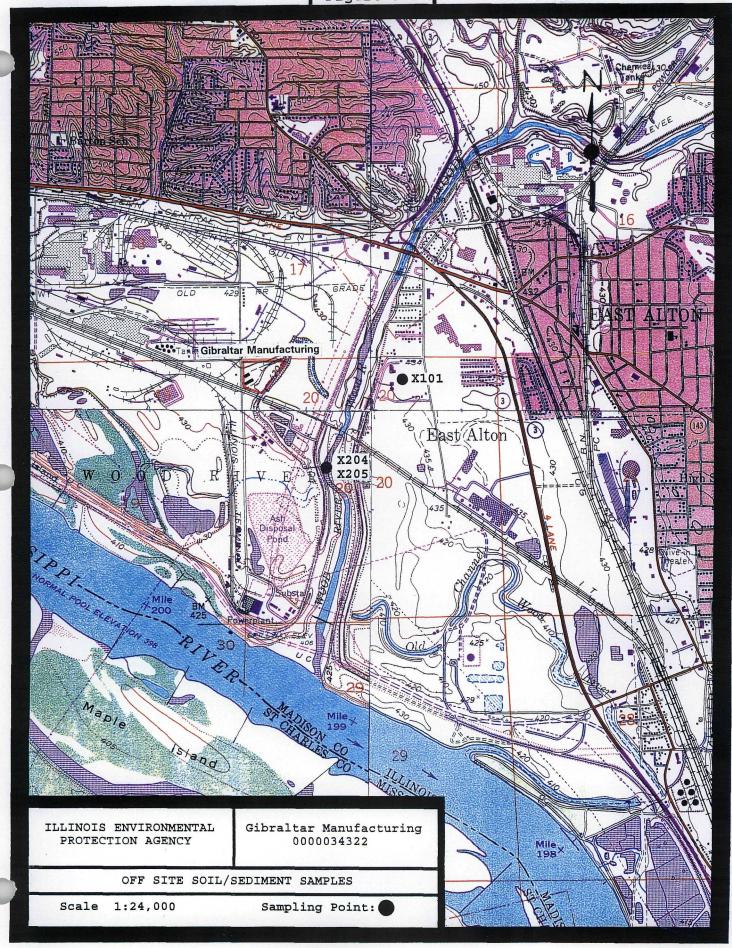
A site representative interview was conducted on October 24, 1993 with Mr. Samuel Elders during the initial site reconnaissance (refer to section 3.2). As mentioned earlier, Mr. Elder is an employee of Shifrin & Associates. A site representative was not present during the sampling event. Access to the property to collect samples was obtained via a phone conversation with Mr. Ryan.

3.4 SOIL/SEDIMENT SAMPLING

During the CERCLA Integrated Assessment IEPA personnel collected 11 soil/sediment samples on November 15, 1994, to determine if Target Compound List contaminants were present at the Gibraltar Manufacturing site and along the surface water pathway. Figure 3-1 and 3-2 are maps identifying the location of the samples. The samples were collected with stainless steel trowels and/or augers which had been decontaminated at the IEPA decontamination facility prior to the sampling event. The soils were transferred from the sampling device directly into sample containers supplied by the IEPA's Contract Laboratory Program.

The sample containers were packaged and sealed in accordance with previously established Site Assessment Unit methods and procedures. The samples were analyzed for the Target Compound List (see Appendix D) by IEPA laboratories in Champaign and Springfield, Illinois (refer to Table 3-1 for the specific





analytic results of each sample). A copy of the photographs and analytic results of the sampling event are provided in Appendices E and F of this report.

3.5 GROUNDWATER SAMPLING

Three groundwater samples were collected from two public wells on November 16, 1994, during the sampling event of Gibraltar Manufacturing. Figure 3-3 is a map identifying the location of the wells where the groundwater samples were collected.

Temperature, pH, and specific conductivity were taken prior to obtaining the sample. The wells were allowed to run for at least 10 minutes prior to sampling. The required preservatives were added to the bottles after the samples were collected.

The groundwater sample containers were packaged and sealed in accordance with previously established Site Assessment Unit methods and procedures. The samples were analyzed for the Target Compound List by IEPA laboratories in Champaign and Springfield, Illinois. A copy of the photographs and the analytical results of the sampling event are provided in Appendices E and F of this report.

3.6 SURFACE WATER SAMPLING

Three surface water samples were collected on November 15, 1994 during the Gibraltar Manufacturing sampling event. These samples were taken from the unnamed stream that runs along the eastern

NON-RESPONSIVE

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Gibraltar Manufacturing 0000034322

GROUNDWATER & SURFACE WATER SAMPLES

Scale 1:24,000

Sampling Point:



property line of the site. Figure 3-3 is a map identifying the location of the surface water samples. The required preservatives were added to the containers after the samples were obtained.

The sample containers were packaged and sealed in accordance with previously established Site Assessment Unit methods and procedures. The samples were analyzed for the Target Compound List by IEPA laboratories in Champaign and Springfield, Illinois. Photographs of the sampling event and a copy of the analytic results are provided in Appendices E and F of this report.

3.7 DECONTAMINATION PROCEDURES

Standard IEPA decontamination procedures were followed prior to the collection of soil/sediment samples. The procedures, performed at the IEPA decontamination facility, include the cleaning of all equipment (spoons, trowels, bucket and mud augers, extensions and handles, etc.), by scrubbing with a liquid Alconox solution, rinsing with hot tap water again, and final rinsing with distilled water. All equipment is air dried, then wrapped and stored in aluminum foil for transport to the field.

3.8 ANALYTICAL RESULTS

This section provides a summary of the analytical results of samples collected during the CERCLA Integrated Assessment conducted at Gibraltar Manufacturing in East Alton, Illinois. As

SITE NAME: Gibraltar Manufacturing

IL# 0000034322

TABLE 3-1 SOIL SAMPLES

SAMPLING POINT	X101	X102	X103	X104	X105	X106
PARAMETER	Background Soil	Soil	Soil	Soil	Soil	Soil
VOLATILES						
Methylene Chloride	3.0 J	77:0		erska er <u>Lau</u> rier		- <u></u>
1,1,1-Trichloroethane	12.0 U	17.0		22.0	36,0 J	22.0
Toluene	12.0 U	20.0		19.0		11.0 J
Xylene (total)	12.0 U ug/kg	8.0 J ug/kg	ug/kg	6.0 J ug/kg	ug/kg	ug/kg
SEMIVOLATILES	ug/kg	ug/kg	ug/kg	_ug/kg	ug/kg	ug/kg
	L 500 C	w.co	l mayou i	500.0		
Naphthalene 2-Methylnaphthalene	390.0 U 390.0 U	····		1300.0		
Dibenzofuran	390.0 U			290.0 J		
Fluorene	390.0 U			100.0 J		
Phenanthrene	390.0 U	490.0			·	370.0 J
Fluoranthene	390.0 U	360.0 J		4400.0 E	220.0 J	140.0 J
Pyrene	390.0 U	250.0 J		590.0	210.0 J	190.0 J
Butylbenzylphthalate	390.0 U	290.0 J	——————————————————————————————————————	350.0 J		
Benzo(a)Anthracene	390.0 U	180.0 J		2000.0	170.0 J	140.0 J
Chrysene	390.0 U	220.0 J		3200.0	270.0 J	230.0 J
bis(2-Ethylhexyl)Phthalate	390.0 U	120.0 J		4700.0		240.0 J
Benzo(b)Fluoranthene Benzo(k)Fluoranthene	390.0 U	150.0 J		1700.0 770.0	220.0 J	240.03
Benzo(a) Pyrene	390.0 U	140.0 J		770.0 0.5	130.0 J	110.0 J
Indeno(1,2,3-cd)Pyrene	390.0 U	l 15		540.0		
Benzo(g,h,i)Perylene	390,0 U			620.0		
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES						
a data (BUO V	esti ja			4 7 10 50	,	
alpha BHC	2.0 U	0.5 JP 2.5 P	and 1974 —	1.8 JP	. ==i::i.	. — — ::
beta-BHC Heptachlor	2.0 U 2.0 U	2.5 P	k 35	0.4 JP		
Dieldrin	0.4 JP	25.0 P		42.0 P	47.0 JP	57.0 P
Endrin	3.9 U	20.07		170.0 P	150.0 P	37.0F
Endosulfan II	3.9 U				400.0 P	420.0 P
Endosulfan Sulfate	0.2 JP	4.6 P	<u> </u>	14.0 P	36.0 JP	57.0 P
4,4'-DDT	0.4 JP			62.0 P		
Endrin ketone	3.9 U	5.6 P	,	64.0 P	12.0 JP	7.5 JP
Endrin aldehyde	3.9 UJ	14.0 P		30.0 P	160.0 PJ	150.0 PJ
gamma-Chlordane Aroclor-1016	0.1 JP	8.7 P		13.0 P	2.6 JP	6.1 JP
A Scior – 1016	18.0 JP	820.0 1200.0		2000.0		
Aroclor -1260	39.0 U	560.0 B		1300.0 B	9400.0 C	9400.0 C
, s = 5,5,	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
INORGANICS					-5/5	-9/9
Alimatia wa				0.00	5.90.	
Aluminum Antimony	11300.0	13300.0	8740.0		12200.0	12300.0
Artumony	5.7 U 4.8	62.4 J 8.9	1.50	22.3 J 25.5	6.6 J 6.5	7.1
Barium	223.0	1810.0	433.0	2140.0	1630.0	1580.0
Beryllium	0.6 B	1.5	0.6 B	1.0 B	0.8 B	0.7 B ;;
Cadmium	1.0 U	7.5		82.4	13.8	12.8
Calcium	29400.0	6870.0	3060.0	5630.0	4700.0	4600.0
Chromium	229.0 J	27.2 J	14.1	38.5 J	37.7 J	36.3 J
Cobalt	6.8 B	8.2 B	8.0 B	21.1	6.5 B	6.1 B
Copper	38.6 26600.0 J	868.0	22.4	9240.0	137.0	125.0
Lead	26.3	40400,0 J 1790.0	13200.0 27.6	48800.0 J 1660.0	18600.0 J	18500.0 J
Magnacium	4770.0	1670.0	2160.0	1510.0	333.0 1920.0	315.0 1910.0
Manganese	4530.0 J	409.0 J	655.0	404.0 J	201.0 J	213.0 J
Mercury	0.0 U	0.1 B		0.8	0.3	0.2
Nickel	20.0	130.0	19.7	164.0	33.7	32.6
Potassium	1510.0	1140.0 B	ms: *	698.0 B	1550.0	1550.0
Silver	1.0 U		ļ	3.9	1.0 B	
Sodium Thallium	99.1 B	569.0 B	146.0 B	242.0 B	128.0 B	124.0 B
Thailium Vanadium	0.2 U 69.1 J	0.3 J	0.3 J	0.3 J	0.4 J	0.4 J
Zinc	96.2 J	27.2 J 3500.0 J	17.4	38.5 J	32.2 J	32.1 J
	mg/kg	mg/kg	261.0 mg/kg	21800.0 J	1170.0 J	1110.0 J
· · · · · · · · · · · · · · · · · · ·	שיייםייי	איישוייי	ing/ng	mg/kg	mg/kg	mg/kg

SITE NAME: Gibraltar Manufacturing

IL# 0000034322

TABLE 3-1 (cont.) SEDIMENT SAMPLES

SAMPLING POINT	X201	X202	X203	X204	X205
PARAMETER	Background Sediment	Sediment	Sediment	Sediment	Sediment
VOLATILES					
VOLATILES	4,734 . Annual				
Methylene Chloride	16.0 U	∞ 3:0 J		5.0 J	· · · · . [
Acetone	22.0	35.0	35.0	7.0 J	9.0 J
2-Butanone	6.0 J		·		4.0 J
Toluene	16.0 ∪	3,0 J	ug/kg	ug/kg	 ug/kg
SEMIVOLATILES	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	Kraining Par] .	
Phenanthrene	510.0 U	line i n the second and the second a	110.0 J	-=-	
Fluoranthene	110.0 J	170.0 J	160.0 J		
Pyrene	510.0 U	110.0 J	120:0 J		· :
Chrysene Benzo(b)Fluoranthene	510.0 U 510.0 U	120.0 J 120.0 J			
Delizo(b): idolarimene	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PESTICIDES	-5/1-3				
	0.40				
alpha-BHC // // // // //	2.7 ∪		0.5 JP	_{2,3} ×	
Dieldrin	18.0 P	14.0 P	25.0 P		1.0 JP
Endrin Endosulfan II	5.2 U 30.0 P	18.0		>:	0.9 JP
Endosulfan Sulfate	10.0 P	5.6	4.3 JP		
4,4'-DDT	3.2 JP	8.4 P			
Endrin ketone	2.6 JP	6.6 P	16:0 P	5 W	· , ,
Endrin aldehyde	14.0 PJ	11.0 PJ	14.0 P		
gamma - Chlordane	7.6 P	6.3 P	16.0 P	0.5 JP	0.6 JP
Aroclor-1016	310.0	270.0 P			40.0 J
Aroclor – 1254 Aroclor – 1260	540.0	580.0 390.0	1100.0 480.0	43.0 P 22.0 JP	49.0 P
A100101 - 1280	700.0 ug/kg	ug/kg	ug/kg	ug/kg	23.0 JP ug/kg
INORGANICS		ug/Ng	ug/kg	ug/kg	ug/kg
	1.00				
Aluminum	11900.0	9730.0	11100.0	3960.0	4880.0
Antimony	6.9 U	9.0 J		6.0 J	
Arsenic Series S	4.0 171.0	4.2 609.0	4.0 511.0	71.5	** 10:8 70.4
Beryllium	0.8 B	0.5 B	0.6 B	0.3 B	70.4 0.3 B
Cadmium	2.8	249.0	1.1		
Calcium	42200.0	6280.0	8220.0	9040.0	12300.0
Chromium	44.5 J	18.9 J	21.2 J	11.6 J	14.1 J
Cobali Copper	67.3	7.0 B	7.5 B	5.5 B	5.3 B
Iron	21600.0 J	28.3 13700.0 J	34.8 16100.0 J	8.8 7760.0 J	8.8 7950.0 J
Lead	200.0	157.0	119.0	11.3	13.7
Magnesium	3960.0	2080.0	2720.0	1660.0	1820.0
Manganese	723.0 J	289.0 J	298.0 J	229.0 J	246.0 J
Mercury	0.1 B	0.2	0.2		
Potassium	23.9 1660.0	18.1 1320.0 B	20.8 1660:0	7.2 B	11.6
Sodium	295.0 B	149.0 B	158.0 B	608.0 B 83.6 B	3196,0 B 83,6 B
Thatlium	0.6 B	0.4 B	0.3 B	0.3 B	0.3 B
Vanadium	32.1 J	24.9 J	26.7 J	17.5 J	19.8 J
Zinc	864.0 J	228.0 J	252.0 J	101,0 J	47.8 J
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg_

SITE NAME: Gibraltar Manufacturing

IL# 0000034322

TABLE 3-1 (cont.) SURFACE WATER SAMPLES

VOLATILES Acetone Carbon Disulfide 2-Butanone SEMIVOLATILES Phenol 4-Methylphenol PESTICIDES	11.0 10.0 U 10.0 U 10.0 U g/kg 5.0 J 10.0 U	Surface Water 33.0 ug/kg	Surface Water 17.0 97.0 9.0 J ug/kg
Acetone Carbon Disulfide 2-Butanone SEMIVOLATILES Phenol 4-Methylphenol PESTICIDES Dieldrin Aroclor-1016	10.0 U 10.0 U g/kg 5.0 J	33.0	97.0 9.0 J
Carbon Disulfide 2-Butanone SEMIVOLATILES Phenol 4-Methylphenol PESTICIDES Dieldrin Aroclor-1016	10.0 U 10.0 U g/kg 5.0 J	33.0	97.0 9.0 J
Phenol 4-Methylphenol PESTICIDES Dieldrin Aroclor-1016			
4-Methylphenol u PESTICIDES Dieldrin Aroclor-1016		.].	
Dieldrin Aroclor-1016	g/kg	9.0 J ug/kg	3.0 J 3.0 J ug/kg
Aroclor-1016		,	
ែំប	0.1 U 0.2 J 0.1 JP g/kg	0.0 JP 0.1 J 0.1 JP ug/kg	0.1 J 0.2 JP ug/kg
INORGANICS	Wayer Tilly Harry		
Calcium Chromium Copper Iron Lead Magnesium Manganese Potassium Sodium Vanadium Zinc	2510.0 3.3 B 114.0 B 50.70.0 50.7 19.7 B .3550.0 36.9 13500.0 688.0 13900.0 34500.0 20.0 B 181.0 J	2200.0 2.8 B 95.0 B 58800.0 19.1 15.7 B 2710.0 37.3 13500.0 328.0 18100.0 56100.0 11.9 B 282.0 J 78000.0	E7900 0

GROUNDWATER SAMPLES						
SAMPLING POINT	G201	G202	G203			
PARAMETER	Background Groundwater	Groundwater	Groundwater			
INORGANICS	 					
Arsenic Barium Calcium Iron Magnesium	2.4 J 149.0 B 157000.0 2900.0 39300.0	287.0 124000.0 6120.0	2.2 J 283.0 123000.0 6030.0 34700.0			
Potassium Sodium Thallium Zinc	869.0 .3750.0 B .58800.0 1.0 U .99.6 J	987.0 4310.0 B 39200.0 1.4 B 11.0 J	973.0 4130.0 39300.0 14.0 J			
Sulfate	170000.0 mg/kg	137000.0 mg/kg	137000.0 mg/kg			

DATA QUALIFIERS

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICS) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
С	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
В	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is reanalyzed at a higher dilution factor as in the "E" flag, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values are flagged with the "D" flag.	Not used.
E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference.
A	This flag indicates that a TIC is a suspected aidol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
М	Not used.	Duplicate injection (a QC parameter not met).

N	Not used	Spiked sample (a QC parameter not met).
S	Not used.	The reported value was determined by the Method of Standard Additions (MSA).
w	Not used.	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
*	Not used.	Duplicate analysis (a QC parameter not within control limits).
+	Not used.	Correlation coefficient for MSA (a QC parameter) is less than 0.995.
P	Not used.	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
cv	Not used.	Method qualifier indicates analysis by Cold Vapor AA.
 AV	Not used.	Method qualifier indicates analysis by Automated Cold Vapor AA.
AS	Not used.	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
Τ .	Not used.	Method qualifier indicates Titrimetric analysis.
NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

previously mentioned IEPA laboratories conducted the organic and inorganic analysis of the collected samples. A quality assurance review of the sample analysis was performed by IEPA personnel.

The field activities portion of the Integrated Assessment included the collection three groundwater, three surface water, and eleven soil/sediment samples by the IEPA. Appendix F (second volume of this report) contains the complete validated laboratory package. Table 3-1, the "Sample Summary", provides a summary of samples collected during the sampling event in which contaminants were detected.

Groundwater Samples: Background sample G201 was collected from the East Alton water plant located approximately 1/2 mile east of the site. This well field is operated by the City of East Alton and provides service to approximately 7,100 people. These wells draw from the aquifer that is the primary source of drinking water in the area. Sample appearance was clear and odorless. This well was chosen as the background sample because it draws from the same aquifer as duplicate samples G202 and G203.

Duplicate groundwater samples G202 and G203 were also obtained from the East Alton well field. Analysis, pesticides, and inorganic contaminants. Nearly all of the contaminants revealed in the laboratory analysis of the samples decrease in concentration at sampling point S102 & S103.

Duplicate surface water samples S102 and S103 were also collected from the stream that borders the property. These samples were collected 140' upstream of southern property line of Gibraltar Manufacturing. Analysis of the samples revealed contaminants similar to those found in the background. There is somewhat of a trend towards decreasing concentrations between the two sampling points. This would lead to the conclusion that the contamination is coming from a source other than Gibraltar Manufacturing. A pipe coating operation is located upstream of the site and the Laclede Steel Landfill, which is listed on CERCLIS, is east of the site. It should be noted that some of the contaminants revealed in the analysis of S102 & S103 are the same as those found in soil samples obtained from the Gibraltar property (refer to table 3-1 for the specific analytic results of each sample).

Soil/Sediment Samples: Background soil sample X101 was collected from the center of the East Alton well field where groundwater samples were collected. This was chosen as the background because the soil type has been identified by the ASCS Soil Survey of Madison County, Illinois as the same type found at the site. It was collected from the top 12 inches of soil.

Soil sample X102 was taken from the top 12 inches of soil. This sample was collected in the area where a leaking capacitor was observed. Analysis of this sample revealed the presence of semi-volatiles, PCBs, and inorganic compounds. The Removal

Action Level (RAL) for lead was exceeded in this sample.

Soil sample X103 was taken in an area in where drums containing unidentified contents, various oils, and anti-freeze were identified. X103 was taken from the top 6 inches of soil. The area in which the sample was obtained had been excavated during the remediation. This area was filled with standing water at the time of the sampling event. Lead and PCB contamination had been identified in this area during the consultants initial remedial investigation. Of all the samples obtained from on site soils this was the "cleanest". None of the concentrations were above background.

Soil sample X104 was taken from an area in which drums containing smelting residue were identified. An above ground storage tank had also been located in the area at one time. The sample was collected from the top 12 inches of soil. Analysis of this sample revealed the presence of semi-volatiles, pesticides, PCBs, and inorganics at concentrations above background. The RALs for arsenic, cadmium, copper, and lead were exceeded in this sample.

Duplicate soil samples X105 and X106 were taken from an low area on the property identified as a wetland by U.S. Department of the Interior "Wetland Inventory Maps". Roughly 1/3 of the Gibraltar property has been identified as a wetland area. This sampling location was chosen in order to determine if contaminants had

migrated to the wetland area. After the volatile samples were collected and sealed, the media was mixed in a stainless steel pan in order to obtain proper duplicate samples. The sample was obtained from the top 12 inches of soil. Analysis of these samples revealed pesticides, PCBs, and some inorganic contaminants.

Background sediment sample X201 was taken 51' north (upstream) of the Gibraltar property. It was collected from the west bank of unnamed perennial stream that borders the property to the east. This point was chosen for the background due to the fact that the sediment type is the same as those found in the downstream sediment samples.

Sediment sample X202 was taken from the west bank of the stream that borders the site as well. During the initial site recon, leachate was observed seeping from the Gibraltar property into the stream. The intent was to obtain the sample in the area of the leachate seep. Due to heavy rains prior to the sampling event this proved impossible to do. The sample was taken from the top 12 inches of sediments. Analysis of X202 revealed contaminants similar to those in the background. The RALs for arsenic and cadmium were exceeded in X202.

Sediment sample X203 was also taken from the west bank of the stream. Leachate had been observed in this area during the

initial recon as well. The same problem with high water was encountered at this sampling point as well. The sample was taken from the top 12 inches of sediments. The RAL for arsenic was exceeded in this sample.

Duplicate sediment samples X204 and X205 were taken at the confluence of the unnamed stream with the Wood River roughly 1/2 mile downstream of the site. The sample was taken from the top 12 inches of sediments. After the volatiles were collected, the media was mixed in a stainless steel pan in order to obtain proper duplicate samples. All of contaminants revealed in the laboratory analysis were below background concentrations.

3.9 KEY SAMPLES

The purpose of this section is to provide information on key samples or analytic data obtained during the Integrated Assessment that is of HRS quality. Table 3-2, the "Key Sample Summary", provides a detailed summary of samples collected during the IA which were detected at levels significantly higher than their respective background concentrations. Groundwater samples were compared to background sample G201, surface water samples were compared to S101, soil samples were compared to X101, and sediment samples were compared to X201. Contaminants found at levels well above background concentrations were primarily in on-site soil samples. This is especially true of PCBs and inorganics. In a some of the soil samples a few of the inorganic

TABLE 3-2 KEY SAMPLES

SITE NAME: Gibraltar Manufacturing IL# 0000034322			KEY	SOIL SAMPLES		
SAMPLING POINT	X101	X102	X103	X104	X105	X106
PARAMETER	Background Soil	Soil	Soil	Soil	Soil	Soil
SEMIVOLATILES						
2-Methylnaphthalene Fluoranthene	390,0 U 390.0 U		4. <u></u> * ***	1300.0 4400.0 E		;·
Benzo(a)Anthracene Chrysene	390.0 U 390.0 U		용 분위 (영향 	2000.0 3200.0		
Benzo(b)Flucranthene	390.0 U ug/kg	ug/kg	ug/kg	1700.0 ug/kg	ug/kg	ug/kg
PESTICIDES	100 mm 10					
Dieldrin (1997)	0,4 JP 3.9 U	7-,		42.0 P 170.0 P	47.0 JP 150.0 P	57.0 P
Endosulfan II Endosulfan Sulfate	3.9 U 0.2 JP				400,0 P 36.0 JP	420.0 P 57.0 P
4,4'-DDT Endrin ketone	3.9 U	——————————————————————————————————————		62.0 P 64.0 P		
Endrin aldehyde Aroclor – 1016	3.9 UJ 39.0 U	820.0	"" "		160.0 PJ 	150.0 PJ
Aroclor – 1254 Aroclor – 1260	18.0 JP 39.0 U	1200.0 560.0 B		2000.0 1300.0 B	9400.0 C	 9400.0 C
INORGANICS	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Antimony	5.7 U	62,4 J	**		A	-
Arsenic	4.8			25.5		
Barium Cadmium	223.0 1.0 U	1810.0 7.5	. 1- **i	2140.0 82,4	1630,0 13,8	1580.0 12.8
Copper	38.6	868.0	— 1	9240.0	137:0	125.0
Lead Nickel	26.3 20.0	1790.0		1660.0 164.0	333.0	315.0
Zinc	96.2 J	3500.0 J		21800.0 J	1170.0 J	1110.0 J
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

			KEY SEDIMENT S	SAMPLES	
SAMPLING POINT PARAMETER	X201 Background Sediment	X202 Sediment	X203 Sediment	X204 Sediment	X205 Sediment
INORGANICS					
Barium Cadmium	171.0 2.8 mg/kg	609.0 249.0 mg/kg	511:0 mg/kg	 mg/kg	 mg/kg

	KEY	SURFACE WATE	R SAMPLES
SAMPLING POINT	S101	S102	S103
PARAMETER	Background Surface Water	Surface Water	Surface Water
VOLATILES			
:Carbon Disulfide	10.0 U ug/kg	33.0 g	97.0 ug/kg

TABLE 3-3 SAMPLE DESCRIPTIONS

Sample	Depth	Appearance	Location
X101	3" - 6"	A dark brown loam.	Background soil sample taken in the middle of the well field where the GW samples were collected.
Walter Control			
X102	0" - 4"	Black and brown cinder type material.	Area in which a leaking capacitor was observed.
X103	0" - 6"	Tight gray clay with organic material.	Taken in an area located on the Gibraltar property in an area where soils were removed after contaminants were discovered.
er krype 1 i jiwa sa		Tang Make	
X104	0" - 4"	A mixture of cinders and crushed red brick.	Taken from an area where an above ground storage tank and 55 – gallon drums were located.
	, N	Andreas Andreas	
X105 X106	0" - 4"	A dark brown loam with organic matter.	Taken in a low spot from an on site area identified as wetlands.
No amount of	No. 1 No. 18.		
X201	0" - 6"	Sediment was a fine black clay.	51' north (upstream) of the Gibraltar property from the west bank of the stream that borders the site to the east.
			Silver in the solution of the gast.
X202	0" - 6"	A brown to black clay with organic matter.	210' south of Gibraltar's northern property line from the west bank of the stream that borders the site to the east.
er exte.		The second secon	stream that borders the site to the east.
X203	0" - 6"	A blackish blue clay.	138' north of the dam underneath the Norfolk & Western rail line.
:			
X204	0" - 6"	Black sandy material with	Taken at the confluence of the
X205	.77	organic matter.	unnamed stream with the Wood River.
S101	NA	Clear and odorless.	Taken upstream of the site from the stream that border the site to the east in the vicinty of X201.
2 1904	er er er er	The state of the s	100 mm m
S102 S103	NA	Clear and odorless.	Taken from the stream that border the site to the east in the vicinity of X203.
G201	NA	Clear and odorless.	The East Alton water plant located 1/2
G202	NA	Clear and odorless.	mile east of the site. Same well field as G201.
G203			

Removal Action Levels have been exceeded. Of the water samples, only carbon disulfide was exceeded by a significant amount in the surface water. In sediment samples X202 and X203 a couple of inorganic compounds were found at concentrations well above background.

SECTION 4

IDENTIFICATION OF SOURCES

4.1 INTRODUCTION

This section describes the various hazardous waste sources which have been identified in the initial stages of the CERCLA Integrated Assessment.

Information concerning the size, volume, and waste composition of each source has been collected during the Integrated Assessment.

The values presented are based on documented visual observations, aerial photography, and analytical data.

4.2 CONTAMINATED SOILS

Contaminated soils are the only source associated with this site.

This is due to the removal of other sources, such as the drums dumped at the property, by Shifrin & Associates and Illinois Power.

An area of soil contamination was delineated using the laboratory results of soil samples collected during the Integrated Assessment. The area between sampling points X102, X104, and duplicate samples X105 & X106 has been identified as contaminated. This area was measured using aerial photography and the Planix 5 Planimeter (refer to Figure 3-2). The total area of contaminated soils at Gibraltar Manufacturing is roughly 97,200 square feet (2.2 acres). The area in which soils were

removed by Shifrin & Associates is included in the source area.

As mentioned earlier in this report, some contaminated soils were identified and removed during Shifrin's remediation of the site. The analysis of samples collected by Shifrin & Associates was limited to metals and PCBs. The samples collected during the Integrated Assessment clearly demonstrate the presence not only of PCBs and metals, but semi-volatiles as well in the soils. The inorganics persist in the area where soils were removed although the levels are lower than in other areas of the property. While it is not clear that the migration pathways have been impacted by these contaminants, it is clear that on site soils have been affected.

SECTION 5

MIGRATION PATHWAYS

5.1 INTRODUCTION

The CERCLA Site Assessment Program identifies three migration pathways and one exposure pathway by which hazardous substances may pose a threat to human health and/or the environment.

Consequently, sites are evaluated on their known or potential impact on these four pathways. The pathways evaluated are groundwater, surface water, soil exposure, and air migration.

This section presents and discusses information collected during the Integrated Assessment of Gibraltar Manufacturing. This information, together with information documented in other sources, will be utilized in analyzing the site's impact on the four pathways and the various human and environmental targets within the established target distance limits.

Discussions of the pathways will include pathway descriptions, contaminant sources, and targets such as human populations, fisheries, endangered species, wetlands, and other sensitive environments.

5.2 GROUNDWATER PATHWAY

Gibraltar Manufacturing is located in the Mississippi River

Valley of the East St. Louis area commonly referred to as the

"American Bottoms". Large supplies of groundwater are withdrawn

in the area from permeable sands and gravels in unconsolidated valley fill. This valley fill is made up of alluvium and glacial material and is underlain by Mississippian and Pennsylvanian rocks consisting of limestone and dolomite with some sandstone and shale. Bedrock in the area is not considered an important aquifer due to low permeability and poor water quality. Alluvial and glacial materials average a depth of 120 feet throughout the "American Bottoms" area. The valley fill materials become progressively coarser with depth. The most favorable water yielding deposits occur near the bedrock and average between 30 and 40 feet in thickness. Groundwater recharge in the area is from precipitation, induced infiltration of surface water from the Mississippi River, and subsurface flow from the bluffs bordering the area.

Within the 4 mile target distance limit the East Alton Water
Department operates four wells located approximately a 1/2 mile
due east of the site. These wells range in depth from 90 to 108
feet and provide service to 7,096 people. The Wood River
Department of Public Works operates five wells roughly 2 miles
southeast of the site. These wells range in depth from 79 to 95
feet and provide service to 12,446 people. The Bethalto Water
Company operates seven wells approximately 3 miles east of the
site. Bethalto's wells range in depth from 90 to 98 feet and
provide service to 22,378 people. None of the public water
operators in the surrounding area have reported contamination

problems that could be attributed to this site. All three of these public utilities participate in the IEPA's Public Water Unit's water quality testing.

5.3 SURFACE WATER PATHWAY

During the site recon it was noted that overland drainage of the site is towards the east. An unnamed drainage ditch forms the eastern border of the property. The stream bed was devoid of living vegetation and the sediments were a pale yellow with black stains throughout. There is no indication that this staining is attributable to activities that have taken place at Gibraltar Manufacturing. There are many other industrial activities in the area which may be contributing to contamination of the sediments. Leachate was observed during the site recon coming from the property and entering the unnamed stream. The stream was stagnant and the recon team was unable to determine stream flow through visual observation. It is assumed that the stream flows towards the south past the site.

The stream passes under the railroad tracks south of the property through a small pipe at the base of a dam. This water flows past the East Alton wastewater treatment plant to the south. The stream eventually drains into the Wood River which is located approximately a 1/2 mile east of the site. The Wood River runs south for roughly 1 1/2 miles until its confluence with the Mississippi River and continues on for the rest of the 15 mile

target distance limit. There is roughly 25 miles of wetland frontage along the surface water pathway. Except for a few small stretches near the beginning of the pathway, the wetlands are contiguous for the entire 15 miles.

Gibraltar Manufacturing is located outside of any floodplain as designated by the Federal Management Agency Flood Insurance Map for the area. A review conducted by the Impact Analysis section of the Illinois Department of Conservation revealed no sensitive environments within a 1/2 mile radius of the site and none along the surface water pathway (refer to the supporting documentation and the scoring portion of this report for detailed information on sensitive environments). The Mississippi River is a major fishery and an important flyway for migratory waterfowl.

There is a surface water intake located roughly 9 miles downstream of the site on the Mississippi River. This intake provides service to residents of East St. Louis and Granite City, Illinois. The intake was not evaluated further IA due to its distance from the site and the high flow rate of the Mississippi River.

5.4 AIR PATHWAY

Air samples were not collected during the sampling event nor were any releases to the air observed during the sampling event.

While there is no available evidence of a release to the air

pathway, it is possible that one may have occurred during one of the fires at the facility. Historical aerial photography documents the presence of a stack at the facility which was verified during the site recon. There are no residences, schools, or daycare facilities within 200 feet of the site. The nearest residences are located approximately a 1/2 mile north of the site. According to U.S. Department of the Interior "National

Table 5-1
Estimated Air Target Populations

On a source	0
>0 to 1/4 mile	0
>1/4 to 1/2 mile	0
>1/2 to 1 mile	2,200
>1 to 2 miles	11,757
>2 to 3 miles	25,591
>3 to 4 miles	20,463

Wetlands Inventory" maps, there are roughly 100 to 150 acres of wetlands within a 1/2 mile radius of the site.

5.5 SOIL EXPOSURE PATHWAY

Soil samples collected by Shifrin & Associates and the Illinois EPA Collinsville Office during the remedial investigation revealed the presence of metals and PCBs. Samples collected during the Integrated Assessment revealed the presence of PCBs, metals, and some semi-volatiles (refer to Table 3-1 of this report for a complete listing of analytical results). None of the neighboring properties were sampled during the Integrated Assessment.

The properties bordering the site are exclusively industrial.

There are no residences, schools, or daycare facilities within

200 feet of the site. The nearest residences are located a 1/2

mile north of the site. No designated terrestrial sensitive

environments are located nearby. There are approximately 3 acres

of wetlands on the Gibraltar Manufacturing property. Access to

Table 5-2
Estimated Soil Target Populations

On a source	0
>0 to 1/4 mile	0
>1/4 to 1/2 mile	0
>1/2 to 1 mile	2,200

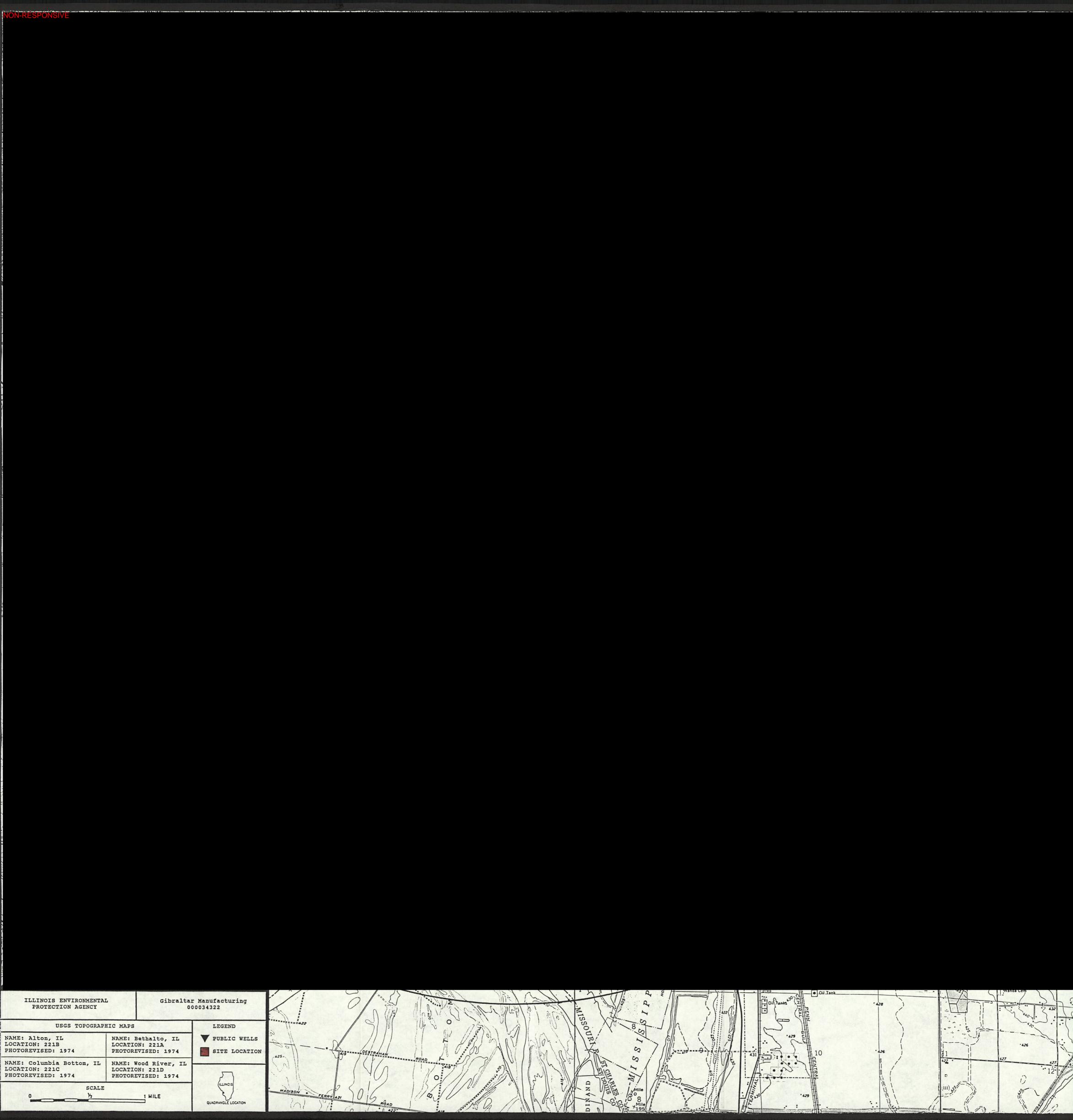
the site is completely unrestricted. There is a gate at the entrance, but fencing does not completely enclose the property. It should again be noted that there are no residences in close proximity of the site. There was no evidence that the property is used for recreational purposes.

SECTION 6

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APPENDIX A 4 MILE RADIUS MAP



APPENDIX B 15 MILE SURFACE WATER MAP



Site Inspection Report

S.EPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

L IDENTIFICATION

01 STATE 02 SITE NUMBER

PART	1 - SITE LOCATION AN	ID INSPECTION INFO	ORMATION LZZ	0000039322
II. SITE NAME AND LOCATION				
I SITE NAME (Legal, common, or describing name of sum	/	02 STREET, ROUTE NO	OR SPECIFIC LOCATION IDENTIFIER	
Cribraltar Manufac	turing		son Lane	
East Alton	<u> </u>	12 6202	4 Madison	OTCOUNTY OR CONG
09 COORDINATES LATTUDE LONGITUDE	IG TYPE OF OWNERS A. PRIVAT F. OTHER	E 🗆 B. FEDERAL	C.STATE ID.COUNT	
III. INSPECTION INFORMATION				
01 DATE OF INSPECTION 02 SITE STATUS 11 15, 94		ATION 192 196 GINNING YEAR ENDING	· ·	N
04 AGENCY PERFORMING INSPECTION (Cheek as that age				
C A. EPA CONTRACTOR	(Name of him)	_ G. MUNICIPAL C	D. MUNICIPAL CONTRACTOR	(Name of firm)
E E. STATE G F. STATE CONTRACTOR	(Name of firm)	_ C G. OTHER	/Secorvi	
OS CHIEF INSPECTOR	06 TITLE	_	07 ORGANIZATION	OS TELEPHONE NO.
Mark Weber	_ EPS	I	IEPA	12171762-6760
09 OTHER INSPECTORS	10 TITLE		11 ORGANIZATION	12 TELEPHONE NO.
Bob Casper	EPS	I	IEPA	12171782 6760
Sheri Adams	EPS	I	IEPA-	1217)782-6762
Mark Wagner	EPS	I	IEP4	12171782-6760
				()
				()
Robert Ryan	Attorney	15ADDRESS 200 Alton	W. Third St. IL 62002-006	18 TELEPHONE NO (CIK) 465-8825
Samuel Elder			Carondelet ouis, MO 63105	
	7			()
				()
				()
				()
17 ACCESS GAINED BY (Chost one) PERMISSION G WARRANT 18 TIME OF INSPECTION 9.00 4/		ast W-cain	, approximately	450
IV. INFORMATION AVAILABLE FROM				
Robert Ryan		for Dale B	Benner Estate	03 TELEPHONE NO. (C/8)465-8825
04 PERSON RESPONSIBLE FOR SITE INSPECTION FO	RM OS AGENCY $IE^{A}E$	06 ORGANIZATION	07 TELEPHONE NO. (217) 782 - 676	0 12 ,27,94 MONTH DAY YEAR

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT BART 2- WASTE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

TL OVOUS 1222

			PART 2 - WAST	E INFORMATION	ł	12 0000	234322	
II. WASTE ST	TATES, QUANTITIES, AN	D CHARACTER	ISTICS					
01 PHYSICAL ST	TATES (Check as that apply)	02 WASTE QUANT		03 WASTE CHARACT	ERISTICS (Chees as that	appy)		
# A. SOLID E. SLURRY B. POWDER, FINES F LIQUID C. SLUDGE G. GAS		must be TONS		☐ A. TOXIC ☐ E. SOL ☐ B. CORROSIVE ☐ F. INFI ☐ C. RADIOACTIVE ☐ G. FLA		UBLE II. HIGHLY V CTIOUS II. EXPLOSE MMABLE IX. REACTIV	NE	
_	-	CUBIC YARDS .	UNK NOWN	D. PERSIS		TABLE INCOMP	ATIBLE	
_ 0. OTHER	(Saecity)	NO. OF DRUMS .	UNKNOWN			_ M. NG! AP	PUCABLE	
III. WASTE T	YPE						<u>·</u>	
CATEGORY	SUBSTANCE N		01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS			
SLU	SLUDGE		UNKNOWN		1 03 002113			
OLW	OILY WASTE		I I I I I I I I I I I I I I I I I I I					
SOL	SOLVENTS				 			
PSO	PESTICIDES							
occ	OTHER ORGANIC CH	EMCALS	 	<u> </u>				
100	INORGANIC CHEMIC							
ACD	ACIDS		 	1	 			
BAS	BASES			 				
MES	HEAVY METALS							
	OUS SUBSTANCES		The state of the s	<u> </u>	<u> </u>			
01 CATEGORY	02 SUBSTANCE N		03 CAS NUMBER	04 STORAGE/DIS	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION	
	Fluoranthene		206-44-0			4,400	PPB	
	Benzo (a) ant	10	56-55-3			2,000	PPB	
		water E-	218-01-9	 		3,200		
	PCB'S		001326-36-3	 		9,400	PPB PPB	
			7440-39-3			2,140	PPM	
	Basium			<u> </u>				
	Cadnium		1440-43-9			82.4	PPM	
	Lend		7439-92-1			15780	PPM	
<u> </u>	Nickel	<i>H</i> . C	7440-02-2	[1300	PPM	
	2-Methylrush			 		1,700		
<u> </u>	Benzo (h)fli	wanthen	203-19-2	 		1,700	PPB	
				-			 	
							 	
				 			 	
	 			 			 	
				 			 	
	<u> </u>			<u> </u>	·		<u></u>	
V. FEEDSTO	OCKS (See Assessment for CAS Munic	Der#1						
CATEGORY	Y 01 FEEDSTO	CK NAME	02 CAS NUMBER	CATEGORY	O1 FEEDS	STOCK NAME	02 CAS NUMBER	
FDS				FDS				
FDS				FDS				
FOS				FDS				
FOS				FDS				
VI. SOURCE	ES OF INFORMATION (CA)	e ateque referenças. e.	g., stare Mes, sampre anaryon	, /0,007(0)				
IEPA Analy	Bureau of C tical results representative	and file	spling ever	n†				
site	I CAD! COC. MIG. FILE	U MITEL						

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION
OF STATE OF STEEN NAMED

IL 0000034322

PART 3-DESCRIPTION OF IT	PENINGOG GOUDITIONS VIA INCIDENTS
II. HAZARDOUS CONDITIONS AND INCIDENTS	
01 I A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:) C POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION
None documented or ob	served. Samples collected from public
wells east of the site	gave no indication of migration of
contaminants tound in the	e soils to the groundwater
01 S. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVEDIDATE. C POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION
Surtace vater samples collect	standards Hover, these contaminants
were not above the background	teel durly the sampling event indicate transments. However, these contaminants und concentration.
01 S C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE)] POTENTIAL] ALLEGED 04 NARRATIVE DESCRIPTION
None documented or obser.	sed. However, historical acrial photography
indicates the presence	of a stack at the facility.
01 ID. FREEXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:) C POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION
None documented or	- observed.
01 I E. DIRECT CONTACT	02 □ OBSERVED (DATE:) □ POTENTIAL □ ALLEGED
None documented or	04 NARRATIVE DESCRIPTION
None documented	093670600
01 E F CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED:	02 C OBSERVED (DATE.) C POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION
Soil samples collected +	rom the Benner property Indicate
The presence of a wil	de variety of contaminants in
the soils (sefer to Table	
01 E G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:) C POTENTAL C ALLEGED 04 NARRATIVE DESCRIPTION
Sample's collected from a	nearby public well field indicate not present in these wells.
that contaminants are	not present in these wells.
01 E H. WORKER EXPOSURE/INJURY	02 (I OBSERVED (DATE:) I POTENTIAL I ALLEGED 04 NARRATIVE DESCRIPTION
	orkers at Gibraltar Muni facturing may
have been exposed to 1	razardons constituents.
01 T I POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:) C POTENTIAL C ALLEGED . 04 NARRATIVE DESCRIPTION
None documented or	OHSELJEN.

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

L IDENTIFICATION

01 STATE 02 SITE NAMED

11 00000 342

VLIA	PART 3 - DESCRIPTION OF	HAZARDOUS CONDITIONS AND	INCIDENTS IL	0000034322
II. HAZARDOUS CONDI	TIONS AND INCIDENTS (Communes)			
01 IJ. DAMAGE TO FLO 04 NARRATIVE DESCRIPTI None docu		02 - OBSERVED (DATE:) C POTENTIAL	C ALLEGED
01 G K. DAMAGE TO FA	NON (Include name) of 2040/021	02 C OBSERVED (DATE:) C POTENTIAL	G ALLEGED
None doc	umented or o	observed.		
01 TL CONTAMINATION 04 NARRATIVE DESCRIPT	NON	02 G OBSERVED (DATE:) I POTENTIAL	C ALLEGED
None a	documented or	observed.	·	
01 M. UNSTABLE CON		02 C OBSERVED (DATE.		
03 POPULATION POTENT	MALLY AFFECTED:	04 NARRATIVE DESCRIPTION O	was the gite	1ccon diums
were obser	-ved in variou	say have contained us states of detailed	erioration.	
01 G N. DAMAGE TO OF 04 NARRATIVE DESCRIP		02 C OBSERVED (DATE:]POTENTIAL	I ALLEGED
None a	documented or	observed.		
01 © O. CONTAMINATIO		TP3 02 - OBSERVED (DATE.) POTENTIAL	. C ALLEGED
None d	focumented or	observed		
the site.	TION Unauthorized .	lumping of various sed some time better	wester occurrent 1968 and	urred at
	Y OTHER KNOWN, POTENTIAL, OR A			
III. TOTAL POPULATION	ON POTENTIALLY AFFECTED:			
IV. COMMENTS				
			•	
•				
V SOURCES OF INEC	DRMATION/Cito specific references. e. g., stan	- Mad. Shapping Application		
	n of Land Files	A CANADA		
Site recon	r = - Source Hite S			
Site recon Analytical	cesults			

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION ART 4 - PERMIT AND DESCRIPTIVE INCORMATIC

- 1		IFICATION
	OI STATE	02 SITE NUMBER 0000034322

AFLY ,	PART 4		AND DES		TIVE INFORMATI	ION [IL 10000034322
IL PERMIT INFORMATION							
O1 TYPE OF PERMIT ISSUED	02 PERMIT N	PAREN	03 DATE IS	SUED	04 EXPIRATION DATE	05 COMMENTS	
TA NPDES		1		ļ			
_ B. UIC							
I.C. AIR							
I D. RCRA							
E. RCRA INTERIM STATUS							
I F SPCC PLAN							
I G. STATE Specify							
TH. LOCAL Sascity							
_ I. OTHER Society							
# J. NONE							
III. SITE DESCRIPTION							
01 STORAGE: DISPOSAL; Check at that apply)	02 AMOUNT	03 UNIT OF A	MEASURE	04 TF	REATMENT (Choca as share	Day i	05 OTHER
_ A. SURFACE IMPOUNDMENT				□ A.	INCENERATION		D A. BUILDINGS ON SITE
18. PILES	UNKNUWN			1	UNDERGROUND INJ		D A. BUILDINGS ON SHE
	UNKAUWA			_	CHEMICAL PHYSICA	NL .	
E. TANK, BELOW GROUND				í	BIOLOGICAL WASTE OIL PROCES	SING	OR AREA OF SITE
I F. LANDFILL				l	SOLVENT RECOVER		
I G. LANDFARM	1111/1/0	.,,		i _	OTHER RECYCLING		8.5 (Acres)
E H. OPEN DUMP	UNKNOW	<i>N</i>		□н.	OTHER	+Cdy)	
I. OTHER		_				·,,	
01 CONTAINMENT OF WASTES CORRESPOND						····	
A. ADEQUATE. SECURE	☐ B. MODE	RATE	■ C. #	NADEQ	UATE, POOR	C D. INSECU	JRE, UNSOUND, DANGEROUS
oz description of drums. Drang liners There is no wastes. Howeve, and other was property.	accura r, ava	ilable	in for	ma	tion indic	cates	that drums
V. ACCESSIBILITY							
01 WASTE EASILY ACCESSIBLE: TY 02 COMMENTS THESE ASE	es ano fo	ALCS	or i	nat	ural basti	icss to	deter access.
VI. SOURCES OF INFORMATION (G.) second references, s.i	g. state /ree. samer	-	erta)			
IEPA Busenn of L	and fi	le					
Site representativ					•		
101.							

9	EF	A
		-

POTENTIAL HAZARDOUS WASTE SITE

I. IDENT	TEICATION
O1 STATE	02 SITE NUMBER 00000034322
IL	0000034322

SEPA	SITE INSPECTION REPORT PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA						ODUNU34322
IL DRINKING WATER SUPPLY							
01 TYPE OF DRINKING SUPPLY Chieca as adoresses		02 STATUS				03	DISTANCE TO SITE
SURFACE	WELL	ENDANGERE			MONITORED		_
COMMUNITY A	8. C	A. 🗆 D. 🗆	8. (E. (C. 🗆 F. 🗆	A.	(mi)
III. GROUNDWATER				-			(rin)
01 GROUNDWATER USE IN VICINITY (Cheek	Gne:						
A. ONLY SOURCE FOR DRINKING	S. DRINKING (Other sources available) COMMERCIAL, INDI (No other water sources	USTRIAL IRRIGATIO	بعة)	MMERCIAL,	INDUSTRIAL, IRRIGA	TION S	, O. NOT USED, UNUSEABLE
02 POPULATION SERVED BY GROUND WA	TER 33) 247		03 DISTANCE	TO NEARE	ST DRINKING WATER	WELL	.5 (m)
DEPTH TO GROUNOWATER	05 DIRECTION OF GROU	WOJR RETAWOR	OS DEPTH TO OF CONC / 2 년	PN	OF POTENTIAL YIE OF AQUIFER UNKNOWN	_	OB SOLE SOURCE AGUIFER Z YES 30 NO
G9 DESCRIPTION OF WELLS inchang upger	, dagen, and speaken releave so of	Description and Australia					<u></u>
Refer to see detailed in forma	Hon 5.2 a	+ Integ	sated the	Ass asea	essment	- rep	ourit For
10 RECHARGE AREA			11 DISCHAR	E AREA			
YES COMMENTS			E YES	COMMEN	TS		
IV. SURFACE WATER			 				
01 SURFACE WATER USE (Check one)			-				
A. RESERVOIR, RECREATION DRINKING WATER SOURCE		I. ECONOMICALLY TRESOURCES	¢ □ c. c	:OMMERCI	AL INDUSTRIAL	=	D. NOT CURRENTLY USED
02 AFFECTED POTENTIALLY AFFECTED 8	ODIES OF WATER	·					
NAME:					AFFECTE	.	DISTANCE TO SITE
Unnamed Street			*		_		on-site (m)
Wood Liver	<i></i>			·		_	-5 (mi)
Mississippi Ris	KC					_	(m:)
V. DEMOGRAPHIC AND PROPER	TY INFORMATION				·		·
01 TOTAL POPULATION WITHIN				0	2 DISTANCE TO NEA	REST POP	ULATION
	WO (2) MILES OF SITE 8. <u>/3 / 95</u> 7 NO. OF PERSONS	THREE (3) MILES OF 39,548 NO. OF PERSONS	SITE		.5	(m)
03 NUMBER OF BUILDINGS WITHIN TWO	2) MILES OF SITE		04 DISTANC	E TO NEARE	ST OFF-SITE BUILDI	40	
>2,6	200				10		(mi)
There are fe the site. Abo populated resid	w, if an out .5 mi	les nos	lence	s i-	close	טומ	ximity to a densely
		•					

ᄔ	

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

SEPA -	SITE INSPECT PART 5 - WATER, DEMOGRAPHI	TION REPORT IC. AND ENVIRONMENTAL	DATA IL OC	NUUU34222
VI. ENVIRONMENTAL INFORMAT				
01 PERMEABILITY OF UNSATURATED 20				
■ A. 10 ⁻⁴ — 10 ⁻⁶	cm/sec 🖂 8. 10-4 - 10-6 cm/sec 🖂	C. 10 ⁻⁴ − 10 ⁻³ cm/sec □ D	. GREATER THAN 10-3 cm/	sec
32 PERMEABILITY OF SEDROCK (Check on	101			
A. IMPERMI		LE C. RELATIVELY PERMEA	BLE D. VERY PERMEA	
33 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SQIL pH		
	Unknown Im	Untroun	-	
1 1	OT ONE YEAR 24 HOUR RAINFALL	OB SLOPE DIRECTION	N OF SITE SLOPE , TERRA	IN AVERAGE SLOPE
36.27 (in)	2.5 (in)		· _	
09 FLOOD POTENTIAL	10 SITE IS ON BARRI	ER ISLAND, COASTAL HIGH HAI	ZARD AREA. RIVERINE FLO	ODWAY
SITE IS IN 500 YEAR FLOO		1.20070570		
ESTUARINE	OTHER	12 DISTANCE TO CRITICAL HABITA	NA (mi)	
A None (mi)	8. On-site (m)	ENDANGERED SPECIES		
: 3 LAND USE IN VICINITY	0. <u>222</u> (m)	ENDANGERED SPECIES);	
DISTANCE TO:				
COMMERCIALINOUSTR	RESIDENTIAL AREAS: NATIO IAL FORESTS, OR WILDLIF		AGRICULTURAL LAN RIME AG LAND	AG LAND
A. •05 (mi)	8. <u> 5</u>	(mi) C	3 (mi) 0.	(mi)
14 DESCRIPTION OF SITE IN RELATION 1		The second section of the section of th		منتساله ۱۰٬۰۰۱ د ۱۰٬۰۰۱ د ۱۰٬۰۰۰ د
	Gibraltar Ma 20 R I V E R	nufacturing 20 3	433 EAST	AI TON
USGS Topographic IEPA resource	1 1-			
JEPA (CSONICE	data		•	

3	E	Ŧ	7	1

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 6 - SAMPLE AND FIELD INFORMATION

	TECATION
OI STATE	02 SITE NUMBER
IL	0000034322

II. SAMPLES TAKEN		The control of the co	
	Q1 NUMBER OF	02 SAMPLES SENT TO	O3 ESTIMATED DATE
SAMPLE TYPE	SAMPLES TAKEN		RESULTS AVAILABLE
GROUNDWATER	3	IEPA labs in Champaign + Springfield	
SURFACE WATER	2	IEPA labs in Champaign + Springfield IEPA labs	
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL		IEVA labs	
VEGETATION			
OTHER			
III. FIELD MEASUREMENTS	TAKEN		<u></u>
O1 TYPE	02 COMMENTS		
HNU-PIA	No rene	lings above background	
		<u> </u>	
IV. PHOTOGRAPHS AND M	IAPS		
01 TYPE E GROUND E AE	RIAL	02 IN CUSTODY OF Illin & EPA SAring field	UJIL
03 MAPS 04 LOCA	ATION OF MAPS Illinois EPA	Springfield, Illinois	
V. OTHER FIELD DATA CO			
		,	
1		·	
		e.g., state free, sample analysis, recents	
Illinois Pept	of Transp	ortation.	•
US45 Topos	raphic Map	o ≤	

ŞEPA	P(SITE INSPE	ZARDOUS WASTE SITE PECTION REPORT VINER INFORMATION I. IDENTIFICATION O1 STATE 02 SITE NUMBER IL 000003 43		
I. CURRENT OWNER(S)			PARENT COMPANY (# apreciative)		
is NAME Estate of Dale Benner	٥	2 D+8 NUMBER	OS NAME		R38MUM 8+0 CO
200 West Third St	<u></u>	04 SIC CODE	10 STREET ADDRESS (P.O. BOL. RFD # MIL.)		11 SIC CODE
Alton	T.L	17 ZIP CODE 6 2002 — 006	_ 		14 ZIP CODE
1 NAME		12 D+8 NUMBER	08 NAME		09 D+8 NUMBER
D3 STREET ADDRESS (P.O. Box. AFO P. etc.)		04 SIC CODE	10 STREET ADDRESS (P O. Box. RFD P. erc.)		11 SIC CODE
DS CITY 08	STATE	O7 ZIP GODE	12 (17)	13 STATE	14 ZIP CODE
01 NAME		02 D+8 NUMBER	OB NAME		09 0 + 8 NUMBER
DISTREET ADDRESS (P. O. Box. AFO + orc.)		104 SIC CODE	10 STREET ADDRESS IP 0. Bos. APO # exc.s		11SIC CODE
05 CITY 06	STATE	O7 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
1 NAME 02 0+8 NUMBE		02 D+8 NUMBER	08 NAME 090+8 NU		090+8 NUMBER
Q3 STREET ADDRESS (P. Q. Box, AFO ove.)		04 SIC CODE	10 STREET ADDRESS (# 0. See. AFO # ere.)		11 SIC CODE
05 CITY 06	STATE	O7 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
III. PREVIOUS OWNER(S) (List most recent from			IV. REALTY OWNER(S) If addresses were	most recem hrstl	
orname Dale Benner (decease	ed)	02 D+8 NUMBER	01 NAME		02 D+8 NUMBER
03 STREET ADDRESS (P. O. Box. AFD P. exc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Best. RPO F. MC.)		04 SIC CODE
05 CITY GE	STATE	OT ZIP CODE	05 City	OB STATE	07 ZIP CODE
01 NAME		02 D+8 NUMBER	01 NAME		02 D+8 NUMBER
03 STREET ADDRESS (P. G. Bac. RFO P. MC.)		04 SIC CODE	Q3 STREET ADDRESS (P. Q. Sea, APO P. ore.)		04 SIC CCOE
OS CITY OF	STATE	O7 ZIP CODE	Q5 CITY	06 STATE	07 ZIP COOE
OI NAME		02 D+8 NUMBER	OI NAME		02 9+8 NUMBER
03 STREET ADDRESS (P. O. BOL. APO #. ME.)		04 SIC COD€	O3 STREET ADORESS (P. Q. Bez. AFO P. ME.)		04 SIC CODE
OSCITY OF	STATE	07 ZIP CODE	as arv	06 STATE	07 ZIP CODE
V. SOURCES OF INFORMATION (Cito secure re	Haranses.	e.g., 21910 Mas, 2017010 analys	al, reterry		
Site representative	Int	crview.		, <u>, , , , , , , , , , , , , , , , , , </u>	

≎EPA		SITE INSPE	ARDOUS WASTE SITE CTION REPORT ATOR INFORMATION	01 STATE 02	I. IDENTIFICATION 01 STATE 02 SITE NUMBER IL 000003432	
II. CURRENT OPERATOR	Iram owners		OPERATOR'S PARENT COMPA	NY (Fananciano)		
1 NAME	.	2 D+6 NUMBER	10 NAME		1 0+8 NUMBER	
3 STREET ADDRESS (P. Q. Box. APO P. MC.)		04 SIC CODE	12 STREET ADDRESS (P.O. GOL. RFO P. one		13 SIC CODE	
S CITY	06 STATE	7 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE	
S YEARS OF OPERATION 09 NAME OF OWN	ER		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
II. PREVIOUS OPERATOR(S) (Lies most res	ant first: provide anny	d different from owners	PREVIOUS OPERATORS' PARE	ENT COMPANIES IN	Marcation	
i NAME L'Ibralto Manufactus STREET ADDRESS (P. O. BOR. APD P. BR.)	I '	02 D+8 NUMBER	10 NAME		11 D+8 NUMBER	
		04 SIC CODE	12 STREET ADDRESS (P.O. BOX, AFD P. ou	£.)	13 SIC CODE	
101 Chassen Lane	06 STATE	O7 ZIP GODE	14 GTY	15 STATE	16 ZIP CODE	
SYEARS OF OPERATION OF NAME OF OWN -1968 Aile B.		PERICO		······································		
1 NAME		02 0+8 NUMBER	10 NAME		110+8 NUMBER	
STREET ADORESS (P.O. Box, RFO F. onl.)		04 SIC CCCE	12 STREET ADDRESS (P.O. Box, AFD #. ve	E.1	13 SIC CODE	
sary	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE	
8 YEARS OF OPERATION 09 NAME OF OW	NER DURING THE	S PERIOD				
1 NAME	<u> </u>	D2 D+8 NUMBER	10 NAME		11 0+8 NUMBER	
3 STREET ADDRESS (P. O. Sez. AFD P. one.)	·	04 SIC CODE	12 STREET ADDRESS (P.O. Box, AFO F. or	re.)	13 SIC CODE	
is airy	G6 STATE	07 ZIP CODE	14 CITY	15 STATE	18 ZIP CODE	
	1		1	i	I	

O EDA	PC	POTENTIAL HAZARDOUS WASTE SITE			I. IDENTIFICATION 01 STATE 02 SITE NUMBER	
\$EPA	SITE INSPECTION REPORT PART 9 - GENERATOR/TRANSPORTER INFO				00003432	
I. ON-SITE GENERATOR						
1 NAME	C	2 D+8 NUMBER				
3 STREET ACCRESS (P.O. dos. RFD P. etc.)		04 SIC CODE	NA			
SCITY	OS STATE	07 ZIP CODE	- /V A			
II. OFF-SITE GENERATOR(S)						
1 NAME	[02 D+8 NUMBER	01 NAME]	2 D+8 NUMBER	
3 STREET ADDRESS (P.O. Box, AFO P. MC.)		04 SIC CODE	03 STREET ADDRESS (P.O. BOL. APO P. ONC.)		04 SIC CODE	
os ary	06 STATE	07 ZIP COCE	05 GTY	08 STATE	07 ZIP CODE	
I NAME		02 D+8 NUMBER	01 NAME		02 0+8 NUMBER	
3 STREET ADDRESS (P.O. Box, AFO P. MC.)		04 SIC CODE	03 STREET ADDRESS IP O. Box. RFO P. MC.		04 SIC CODE	
OS CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE	
IV. TRANSPORTER(S)		-				
1 NAME		02 0+8 NUMBER	01 NAME		02 D+8 NUMBER	
D3 STREET ADDRESS (P G. BOL, RFD P. HE.)		04 SIC CODE	03 STREET ADDRESS (P. O. Bal. APO P. SIC.)	<u> </u>	04 SIC CODE	
OS CITY	STATE BO	07 ZIP CODE	os aty	OG STATE	07 ZIP GODE	
I NAME		02 D+8 NUMBER	01 NAME		02 D+8 NUMBER	
3 STREET ADDRESS (P. O. BOX. APD P. etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Sez. AFO P. ove	.,	04 SIC CODE	
DS CITY	OS STATE	07 ZIP CODE	os ary	OG STATE	07 ZIP CODE	
V. SOURCES OF INFORMATION	/Cito saegilit referençat, e	I.g., state files, semale energy	ia. 1989/731			

\$ E	P	A

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

L IDENTIFICATION					
01 STATE	02 SITE NUMBER				
IL	0000034322				

VLIA	PART 10 - PAST RESPONSE ACTIVITIES	IL 0000034322
IL PAST RESPONSE ACTIVITIES		
01 C A. WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE	03 AGENCY
NA (not applicable)		
01 C 8. TEMPORARY WATER SUPPLY PROV 04 DESCRIPTION	VIDED 02 DATE	03 AGENCY
01 Z C. PERMANENT WATER SUPPLY PROVI 04 DESCRIPTION	7/DED 02 DATE	03 AGENCY
01 C D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE	
01 DE CONTAMINATED SOIL REMOVED	02 DATE	03 AGENCY
of samples collected a	02 DATE Destaminated 50:15 were re lustry the IA indicate co. 02 DATE MS dumped at the proper and the contents were place	nosed. Laboratesy analysis ntaminants in other aseas.
04 DESCRIPTION Sine of chinistrates of deterioration a	ons dumped at the proper	ity were in virious
01 & G. WASTE DISPOSED ELSEWHERE	02 DATE	03 AGENCY
04 DESCRIPTION Wastes were visitions disposed f	harlad off -site darly accilities.	the remediation to
	O2 DATE	03 AGENCY
NA (not applicable)		
01 C I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 Z J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 Z K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	OZ DATE	03 AGENCY
01 G L ENCAPSULATION 04 DESCRIPTION	G2 DATE	03 AGENCY
01 C M. EMERGENCY WANTE TREATMENT. 04 DESCRIPTION	O2 DATE	03 AGENCY
01 C N. CUTOFF WALLS 04 DESCRIPTION	02 DATE	03 AGENCY
01 © 0. EMERGENCY DIKING/SURFACE WA 04 DESCRIPTION	ATER DIVERSION 02 DATE	03 AGENCY
01 C P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	O2 DATE	03 AGENCY
01 C Q. SUBSURFACE CUTOFF WALL Q4 DESCRIPTION	02 DATE	03 AGENCY

\$EPA	POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES		L IDENTIFICATION 01 STATE 02 SITE NUMBER IL 0000034322
II PAST RESPONSE ACTIVITIES			
01 C R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	O2 DATE	03 AGENCY	
MA (not applicable) 01 Is capping covering 04 description	02 DATE	03 AGENC	·
01 I T BULK TANKAGE REPAIRED 04 DESCRIPTION	O2 DATE	03 AGENC	Y
01 I U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	O2 DATE	03 AGENC	Υ
31 Z V. BOTTOM SEALED 04 DESCRIPTION	O2 DATE	03 AGENC	Υ
01 I W GAS CONTROL 04 DESCRIPTION	02 DATE	03 AGENC	Υ
01 T.A. FIRE CONTROL 04 DESCRIPTION	02 DATE	03 AGENO	Υ
01 T.Y. LEACHATE TREATMENT 04 DESCRIPTION	Q2 DATE	03 AGENO	Υ
01 I Z. AREA EVACUATED 04 DESCRIPTION	02 DATE	03 AGENC	Υ
01 I 1 ACCESS TO SITE RESTRICTED 04 DESCRIPTION	O2 DATE	03 AGENO	
01 = 2. POPULATION RELOCATED 04 DESCRIPTION	02 OATE	03 AGENO	Υ
01 Z 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE	03 AGENO	Y
None			
	· .		
III. SOURCES OF INFORMATION (Cito assessed	references, S.C. 1999 May senting pages constitu		
IEPA Bream of La			



POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE 02 STE NUMBER

IL 0000084322

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION C YES & NO

02 DESCRIPTION OF FEDERAL STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

No regulatory lenforcement action has taken place at this site.

III. SOURCES OF INFORMATION (City agostic references, e.g., state fine, sample analysis, reserts

IEPA Bureau of Land File

APPENDIX D TARGET COMPOUND LIST

TARGET COMPOUND LIST

Volatile Target Compounds

Vinyl Acetate Promodichloromethane	1, 1, 1-Trichloroethane	1,2-Dichlorosthane	1,2-Dichloroethene (total)	1,1-Dichloroethene 1,1-Dichloroethene	Acetone Carbon Disulfide	Methylene Chloride	Vinyl Chloride	Chloromethane Bromomethane
Xylenes (total)	Chlorobenzene Chlorobenzene	Tetrachioroechene 1,2,2-Tetrachioroethane	2~Hexanone	Bromoform 4-Methyl-2-pantanone	Benzene trans-1,3-Dichloropropene	1,1,2-Trichloroethane	Trichioroethene	1,2-Dichloropropane

Base/Neutral Target Compounds

Naphthalanebutylbenzylphthalate4-Chloroanilinebis(2-Ethylhexyl)Phthalatebis(2-chloroathoxy)HethaneChrysene
late uene ~phenylether

Acid Target Compounds

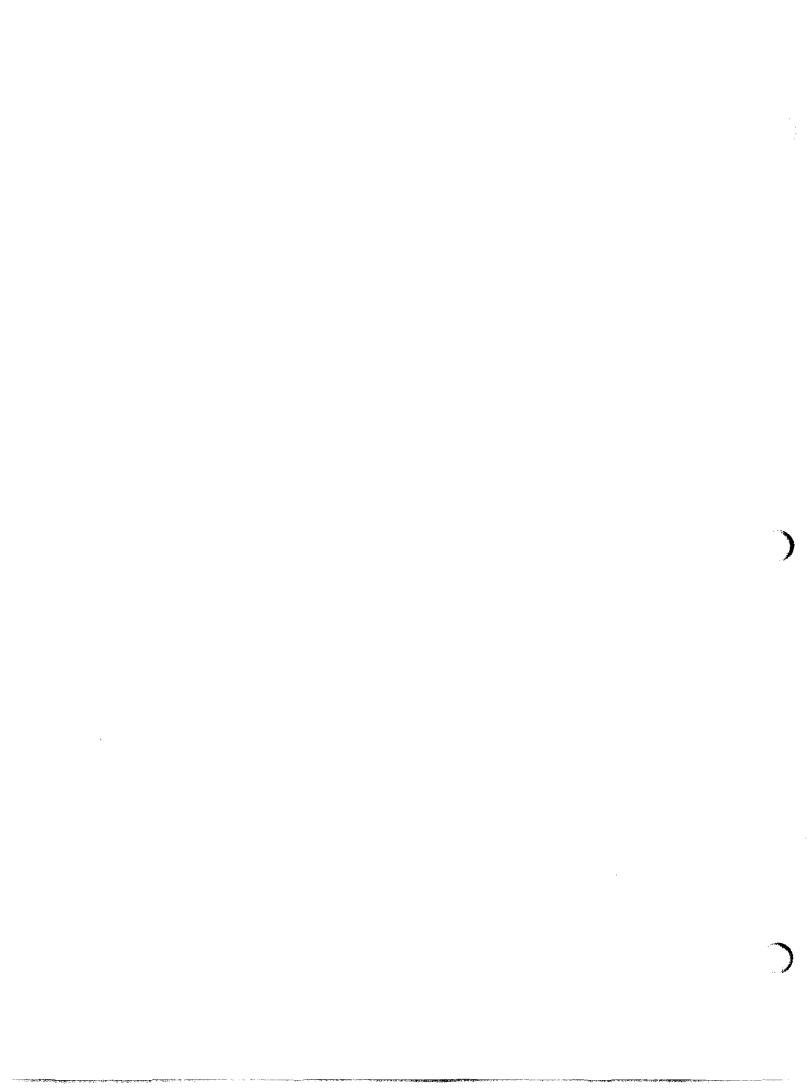
2,4-Dimethylphenol 4-Methylphenol 2,4-Dichlorophenol	2-Nitrophenol 2-Methylphenol	Phenol 2-Chlorophenol	Benzoic Acid
Pentachlorophenol 4-Nitrophenol	2, A-Dinitrophenol	2,4,5-Trichlorophenol	つ み かいラインプンマンブカンフン

Pesticide/PCB Target Compounds

4,4'-DDT	Endosulfan II	4,4'-DDD	Endrin	Dieldrin	4,4'-DDE	Endosultan I	Heptachlor epoxide	Aldrin	Heptachlor	gamma-BHC (Lindane)		beta-BHC	alpha-BHC
	Aroclor-1260	Aroclor-1254	Aroclor-1248	Aroclor-1242	Aroclor-1232	Aroclor-1221	Aroclor-1016	Toxaphene	gamma-Chlorodane	alpha-Chlorodane	Methoxychlor	Endosulfan Sulfate	Endrin Ketone

Inorganic Target Compounds

Lead Magnesium	Iron	Cobalt	Chromium	Calcium	Cadmium	Beryllium	Barium	Arsenic	Antimony	Aluminum
Sulfate Sulfate	21nc Cyanide	Vanadium	Thallium	Sodium	Silver	Selenium	Potassium	Nickel	Mercury	Manganese



APPENDIX E INTEGRATED ASSESSMENT PHOTOGRAPHS

TIME: 8:30 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 1

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

North

Soil sample X102 taken from the area in which the leaking capacitor

was observed.



DATE: November 15, 1994

TIME: 8:30 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 2

LOCATION: <u>L1190205027</u>

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

West

Sampling point X102 from a different perspective.



TIME: 9:00 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 3

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

West

Close up of sample X103
collected from an area
where contaminated soils
were identified and
removed.



DATE: November 15, 1994

TIME: 9:00 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 4

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

South

Sample X103 collected in the area from which contaminated soils were identified and removed.



TIME: 9:30 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 5

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

South

Sample X104 collected from an area in which drums were dumped and an above ground storage

tank was located.



DATE: November 15, 1994

TIME: 9:30 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 6

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

East

Different perspective of

sample point X104.



TIME: 9:55 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 7

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

North

Close up of duplicate samples X105 & X106 collected from a wetland area on the property.



DATE: November 15, 1994

TIME: 9:55 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 8

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

West

Duplicate samples X105 & X106 taken along a drainage pathway in the wetland area on the property.



TIME: 10:30 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 9

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

East

Background sediment sample X201 with the Laclede Steel Landfill to the east.



DATE: November 15, 1994

TIME: 10:30 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 10

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

North

Background sediment
sample X201 with
upstream segment of the
surface water pathway in
the background.



TIME: 11:15 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 11

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

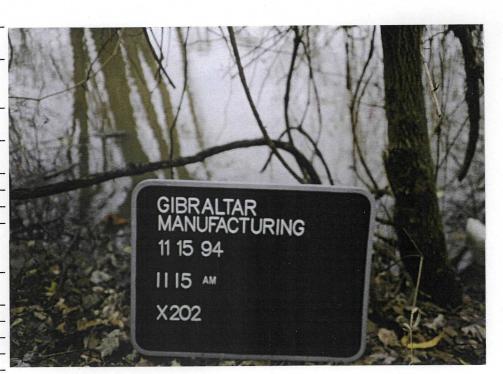
IL 0000034322

PHOTO TAKEN TOWARD:

East

Close up of sediment

sample X202.



DATE: November 15, 1994

TIME: 11:15 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 12

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

North

Sediment sample X202 with upstream segment of surface water pathway in the background.



DATE: November 15, 1994

TIME: 12:30 PM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 13

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

East

Close up of sediment

sample X203.



DATE: November 15, 1994

TIME: 12:30 PM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: ____14

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

North

Sediment sample X203
with upstream segment of
surface water pathway in
the background.



DATE: November 15, 1994

TIME: 1:00 PM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: ____15

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

East

Surface water sample S101 with the Laclede Steel Landfill in the

background.



DATE: November 15, 1994

TIME: 1:45 PM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 16

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

East

<u>Duplicate surface water</u> <u>samples S102 & S103 with</u> <u>the Laclede Steel</u>

Landfill in background.



DATE: November 15, 1994

TIME: 3:00 PM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 17

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

East

Duplicate sediment
samples X204 & X205 with
the Wood River in the

background.



DATE: November 15, 1994

TIME: 3:00 PM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 18

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

West

Duplicate samples X204 & X205 with the effluent to the Wood River in the background.



DATE: November 16, 1994

TIME: 9:45 AM

PHOTOGRAPH TAKEN BY:
Mark Densmore

PHOTO NUMBER: 19

LOCATION: L1190205027
Madison County
Gibraltar Manufacturing
IL 0000034322

PHOTO TAKEN TOWARD:
South

Duplicate groundwater
samples G102 & G103
taken from well #4 of
the East Alton well
field.

DATE . Norrombon 16 1004	NON RESPONDING
DATE: November 16, 1994	NON-RESPONSIVE
TIME: 10:20 AM	
PHOTOGRAPH TAKEN BY:	
Mark Densmore	
Maik Delismore	
PHOTO NUMBER: 20	
LOCATION: L1190205027	
Madison County	
Gibraltar Manufacturing	
IL 0000034322	
11 0000034322	
PHOTO TAKEN TOWARD:	
North	
Background sample G101	
taken from well #8 of	
the East Alton well	
field.	

DATE: November 16, 1994

TIME: 10:50 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 21

LOCATION: L1190205027

Madison County

Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

North

Background soil sample
X101 taken from an area
in the East Alton well
field with the aeration
tower in the background.



DATE: November 16, 1994

TIME: 10:50 AM

PHOTOGRAPH TAKEN BY:

Mark Densmore

PHOTO NUMBER: 22

LOCATION: L1190205027

Madison County

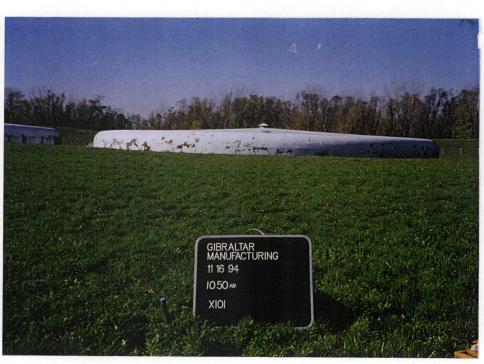
Gibraltar Manufacturing

IL 0000034322

PHOTO TAKEN TOWARD:

West

Sampling point X101 with water storage tanks at the East Alton water plant in the background.



SUPPORTING DOCUMENTATION

THE FOLLOWING FACTORS SHALL BE CONSIDERED IN DETERMINING THE APPROPRIATENESS OF A REMOVAL ACTION

- Actual or potential exposure to nearby human populations, animals, or food chain from hazardous substances or pollutants or contaminants.
- Actual or potential contamination of drinking water supplies or sensitive ecosystems.
- Hazardous substances or pollutants or contaminants in drums, barrels, tanks or other bulk storage containers, that may pose a threat of release.
- High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate.
- Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.
- Threat of fire or explosion.
- The availability of other appropriate federal or state response mechanisms to respond to the release.
- Other situations or factors that may pose threats to public health or welfare or the environment.

Brent Manning, Director

John W. Comerio, Deputy Director

Bruce F. Clay, Assistant Director

November 22, 1993

Mr. Mark Weber LPC/IEPA P.O. Box 19276 Springfield, IL 62794-9276

ILD#
Madison County

Dear Mr. Weber:

In response to your November 16, 1993 request we have examined the proposed CERCLIS Project in Madison County.

There are no sensitive areas (form enclosed) on-site or in the 0- 1/4 or 1/2mile radius of the site or along the Mississippi River waterpath.

Thank you for the opportunity to comment.

Sincerely

Richard W. Lutz

Acting Chief

Division of Impact Analysis

attachment:

sensitive areas form

RWL:mcp

DEPTRIMENT OF CONSERVATION IDENTIFICATION OF ENVIRONMENTAL SENSITIVE AREAS #07/

-- MEW KNOWN IN AND

MHDISTA CO.

*N

TARGET DISTANCE CATEGORIES

ŸI. ج VII. Habitat known to be used by a species under review as to its Federal endangered or threatened status Į. III. X, VIII. State lands designated for wildlife or game management Terrestrial areas utilized by large or dense aggregations of verbebrate animals for breeding State wildlife refuge Particular areas, relatively small in size, important to State designated natural area Habitat known to be Spawning areas critical for the maintenance of fish/shellfish species within a river system Habitat known to be used by Federally designated or proposed endangered or threatened species endangered or threatened species Critical habitat for Federally designated or proposed the maintenance of unique biotic communities threatened species verbebrate animals for breeding SENSITIVE ENVIRONMENTS used by State designated or On-site | O-1/4 mile ١ l 1/4-1/2 mile | stream milage

If any of the sensitive areas identified above exist within the designated target distance limits, please post an asterisk (*) in the appropriate column.



2204 Griffith Drive Champaign, Illinois 61820-7495 Telephone (217) 333-4300 Telefax (217) 333-6540

March 29, 1994

Mark J. Weber
Illinois Environment Protection Agency
Pre-Remedial Unit #24
2200 Churchill Road
Springfield, Il 62794-9276

Dear Mr. Weber:

In response to your request for pumpage information we are sending you a copy of the following questionnaires:

East Alton #11990200 Bethalto #11990150 Wood River #11991150

We hope these forms give you the pumpage information you need.

If we can be of further assistance please call.

Sincerely,

Kay Charles

Illinois water Inventory Program

Phone 217-333-0239

Ky Charles

Enclosures

MAR 30 1994 IEPA/DLPC



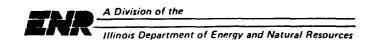
	Entry 1		
	% CheckPASSED		Hydrology Divisi 2204 Griffith Dr
	VALIDATED		Champaign, Illinois 61820-74
We have records of the following wells/in Please correct inaccuracies and add missi	ng information on this form.	. ,	Telephone (217) 333-02
Enter your water level information on ba	ck, if available.	- /	. »
11991150 WOOD RIVER GENE BLASA SUPERINTENDENT		Name	Code: 4941 of person to contact: ewe Bhasa
CITY HALL, P O BOX 300	2095	Title	e: Water 5 mat e: (618)254-0726
WELL# OR SURFACE INTAKE# STA	TUS TWP RNG S	SEC DEPTH	GALLONS PUMPED MAX DAILY TOTAL ANNUAL
	TUS TWP RNG	SEC DEPIH	MAX DAILY TOTAL ANNUAL
ON-RESPONSIVE			
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orm where column states he water use for your lo f your facility is not e stimated figure or other sed) is acceptable for u. 1993 Total self-suppli Gallons purchase. Do you sell water to a . Estimate population di (retail) . Number of residential . Number of commercial s (non-manufacturing)	Total Gallons Purchocation and your futured equipped with meters helpful information as to average a total ed pumpage of NoNE Name another public water rectly served inside outside services: 4,550 services: 222	ased. This amount needs. to calculate to ca	tal water pumpage, an lation, acreage, and days as 500,000,000 Tyes YesNo its gallons:
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IEPA/DLPC

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Vell	Airline*					LEVELS				
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<u>) </u>					15'	8 "		23'] .
3_					15'	8'		28'		
5_					15'	/31		28'		
₽					14'	36'		50		ہ ا
								<u> </u>		$\frac{1}{2}$
					<u></u>		<u> </u>			-
	pump setting		square inch	(nsi)	If gage	e is direct res	ading, the g	age reading	and depth	
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	Received 2-94		•	trology Division 2204 Griffith Drive
	Mail file			, Illinois 61820-7495
We have records of the following wells/intakes.	Entry 1 KC		Teleph	none (217) 333-0239
Please correct inaccuracies and add missing inform Enter your water level information on back, if avo				4.
,	P Stell			
11990200 EAST ALTON	VALLATED		Code: 4941	
DOUG CHAMBERS	VERGFIED	Name	of person to	o contact:
WATER COMMISSIONER	ESTIMATED		ne Chant	eus
119 W MAIN EAST ALTON, IL 62024		Title Phon	e: (618)259-	maniainer
EAST ALTON, IL 62024	•	111011	e. (010/25)	4040
				•
			. _	
WELL# OR	MID DNG CRG	DEDELL	GALLONS	
SURFACE INTAKE# STATUS	TWP RNG SEC	DEPTH	MAX DAILY	TOTAL ANNUAL
ION-RESPONSIVE				
form where column states Total	Gallons Purchased.	This amo	unt is neede	d to indicate
the water use for your location	on and your future n	eeds.		
	-			
f your facility is not equipp				
estimated figure or other help			lation, acre	age, and days
used) is acceptable for us to	average a total amo			
1993 Total self-supplied pu	ımn a ra	Ga110	ns 514, 74	12 000
		Gallo		'``` j
Gallons purchased/	VONE Name of y	our suppli	er	
				
2. Do you sell water to anothe	er public water supp	ly system?	Yes No_	<u>X</u>
			11-7-	7
3. Estimate population directl	y served inside cor	porate lim	its_65_/2	<u>-</u> _
(retail)	outside ser	noroto lim	its NON	E
	outside coi	porace rim	10s 70 ()70	T497.069
. Number of residential servi	ces: 2 37/	(Annual	gallons:	1/1/1/10)
		<u>J</u>	Bullons. 224 /	100170HILL
. Number of commercial servic	es: /79 (Annual	gallons: /6	163 931 3
(non-manufacturing)			b	109,701
- ·	$\protect\ensuremath{\mathcal{U}}$		•	0.11 20.
. Number of industrial service	es:/	Annual	gallons: \angle 3	86138,000
(manufacturing)				,





N		 ves, please l	list which	well numl				hedule and	d a map of	
		WATER LEVELS								
Well No.	Airline* Length	Water	Nonpumping		Pu			ping		
		Level Date	Hours Off	Gage** reading (ft)	Depth to water (ft)	Hours on	Gage** reading	Depth to water (ft)	Pumping rate (gpm)	
2	60'	12/16/93	1		30	336		21	300	
3	60'	1/13/93	1		24			23	430	
4	9/1	9/9/93	1		46	1		38	400	
5	75"	1/13/93			31	Ì		29	410	
6	60'	1/28/94			28	1		24	580	
7	55'	12/30/93			23	1		16	700	
8	60	1/13/94			27			22	650	
<u> </u>	60	1/28/94		<u> </u>	28	<u> </u>	<u> </u>	23	560	
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/pe of r	estriction	Dates	Suc	cess or Est.	. amount o	t savings				
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e there	any futur	e plans to i	ncrease t	reatment o	or supply c	apacity?				
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Yes, to ___



2204 Griffith Drive Champaign, Illinois 61820-7495

Telephone (217) 333-0239

We have records of the following wells/intakes. Please correct inaccuracies and add missing information on this form. Enter your water level information on back, if available.

11990200 EAST ALTON

WELL# OR

SURFACE INTAKE#

STATUS

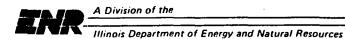
TWP RNG SEC

DEPTH

GALLONS PUMPED MAX DAILY TOTAL ANNUAL

ON-RESPONSIVE

TOTALS ARE ESTIMATE



Ouring th ike surgi	e last year ng, jetting,	have any acidizing,	of your w shock ch	ells had tro lorination,	eatment or etc.?	rehabilita	ation work	to restore	capacity
/es 1	No if y	es, please	list which	well numl	bers and ty	pe of trea	itments.		
f there wo	vas a chang ice area.	e from las	t year; pl	ease provid	le a copy o	f your wa	ter rate sc	hedule and	d a map o
Well	Airline*				WATER	LEVELS			
No.	Length	Water		Nonpumpin	g .		Pun	iping	
		Level Date	Hours Off	Gage** reading (ft)	Depth to water (ft)	Hours on	Gage** reading	Depth to water (ft)	Pumping rate (gpm)
- "-									
If gage indicate uring the Yes, b	pump setting reading is in the that in column the last year because of the because of lecause	pounds per mn. were wat he limited imited wat	er conserv treatment ter availab	ration pract capacity	to wate	er should be		age reading	and depth
	estriction			ess or Est		f savings			
re there	any futur	e plans to	increase t	reatment o	or supply c	apacity?			
		·							
o you d No	lischarge w	ater?							
Yes, (Yes, (Yes, (to a munici to a stream to a septic s	or other s	surface wa -	ater body _		Syste You	em name _ r NPDES ¡	permit#	



2204 Griffith Drive Champaign, Illinois 61820-7495

Telephone (217) 333-0239

We have records of the following wells/intakes.

Please correct inaccuracies and add missing information on this form.

Enter your water level information on back, if available.

11990200 EAST ALTON

WELL# OR SURFACE INTAKE#

STATUS

TWP RNG SEC

DEPTH

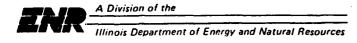
GALLONS PUMPED
MAX DAILY TOTAL ANNUAL

NON-RESPONSIVE

e surgi	e last year ng, jetting, No if y	acidizing,	shock chi	lorination,	etc.?			to restore	сарасну	
	as a chang ice area.	e from las	t year; plo	ease provid	e a copy o	f your wa	iter rate sc	hedule and	l a map	
Well	Airline*				WATER	LEVELS				
No.	Length	Water		Nonpumping	3		Pumping			
		Level Date	Hours Off	Gage** reading (ft)	Depth to water (ft)	Hours on	Gage** reading	Depth to water (ft)	Pumping rate (gpm)	
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						<u> </u>				
								·		
If gage indicate oring the Yes, b	pump setting reading is in that in column that in column the last year because of the because of the because of the because of the because	pounds per mn. were wat he limited imited wa	er conserv treatmen ter availal	ration pract capacity	to wate	er should be		age reading	and depth	
pe of r	restriction	Dates	Succ	cess or Est.	. amount o	f savings				
e there	any futur	e plans to	increase t	reatment o	r supply c	apacity?			-	
	·									
No _										
Yes, t	to a munici to a stream to a septic s to	or other : system	surface wa	-		Syst You	em name _ r NPDES	permit#		

				111:	Ctata	Matar	CHEROL
1993	ILLINOIS	WATER	INVENTORY	PROGRAM///inois	State	water	Suivey

	7 7,4-6	14	Hydrology D	
	Peceived 2-24-	·	2204 Grif	
	mail file		Champaign, Illinois 61	
We have records of the following wells/intakes. Please correct inaccuracies and add missing informat	tion on this form.	<u></u>	Telephone (217)	333-0239
Enter your water level information on back, if available	able. :/ Check			
11000150 DEMVAYMO	0.55ED	SIC Code	. 4041	
11990150 BETHALTO KENNETH D RAGAN	VALIDATED		person to contact	::
PERATOR	ESTIMATED		LA D. RAGAN.	
WATER DEPT, 203 OAK STREET			OperAtor -	_
BETHALTO, IL 62010		rnone: (618)259-5941	
UDI V.4. OB			GALLONS PUMPED	
WELL# OR SURFACE INTAKE# STATUS	TWP RNG SEC	DEPTH MA	X DAILY TOTAL AN	NUAL
RESPONSIVE				
ease note any purcased amount	of water needs to	he reported o	on the bottom half	fof
m where column states Total	Gallons Purchased.	This amount		
rm where column states Total e water use for your location	Gallons Purchased. and your future n	This amount eeds.	is needed to indi	icate
om where column states Total water use for your location your facility is not equippe	Gallons Purchased. and your future n d with meters to c	This amount eeds.	is needed to indi	icate an
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cm where column states Total e water use for your location your facility is not equippe timated figure or other helpf ed) is acceptable for us to a 1993 Total self-supplied pum Gallons purchased Do you sell water to another Estimate population directly (retail) Number of residential service	Gallons Purchased. and your future n d with meters to c ul information (su verage a total amo page Name of y public water supp served inside cor outside cor es: 5720	This amount eeds. alculate total ch as populatiunt. Gallons _ our supplier _ ly system? Ye porate limits_ porate limits_ Annual gall	is needed to indicate water pumpage, a son, acreage, and solves, 000 N/A es X No 9,500	icate an days
Do you sell water to another Estimate population directly (retail) Number of residential service	d with meters to control of the served inside cores: 5720 s: 336	This amount eeds. alculate total ch as populatiunt. Gallons _ our supplier _ ly system? Ye porate limits_ porate limits_ Annual gall	is needed to indicate water pumpage, a con, acreage, and 562,665,000 M/A es X No Q 500 T,200 T,200 cons: 487,357,00 cons: 29,241,540	icate an days





Water Level Date Off reading (th) Hours on reading to water (th) (gp) S-10-93 hrz S-19 hrz S6.33 1.7 S-10-93 hrz S0.46 hrz S9.33 1.7 S-10-93 hrz S0.16 hrz S9.34 hrz S0.16 hrz S0.16 hrz S-10-93 hrz S0.16 hrz S0.16 hrz S-10-9	servi	as a chang ce area.	+ ge from last	H 9 CL year; ple	a tressase provid	Heacopy o	of your wa	ter rate sc	hedule and	d a map
Water Level Date Hours Off Gage** Depth Hours Gage** Depth to water on reading to water fth) (fth)	Vell	Airline*					LEVELS			
Date Off reading to water on reading to water (ft) water (ft) water (ft) (ft) water (ft) (ft) (ft) (ft) (ft) (ft) (ft) (ft)	No.	Length	Water	·	Nonpumping	3 		Pum	iping	
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S-10-93 hr So.46 hr So.87 346 S S S S S S S S S	Ű		8-10-93	lhr		51,91	Ihr		58.33	676
8-10-93 hr SO.16 hr Co.15 400 8-10-93 hr So.34 hr Co.17 450 8-10-93 hr So.11 hr Co.17 450 8-10-93 hr So.11 hr Co.13 440 9-10-93 hr So.11 hr Co.13 440 1	7		8-10-93	lhr		ŧ	lhe		56.871	342
S-10-93 hr S2.54 hr C4.71 419 S2.1 hr C4.71 45 S2.1 hr C4.71 45 S2.1 hr C4.71 45 S2.1 hr C60.13 44 S2.1 hr C60.13 hr	3		8-10-93	Ihr		49.91	1 hr		59,331	430
The string the last year were water conservation practices requested or imposed? Yes, because of limited water availability Sould like string the last year were water availability Sould like string the last year were water conservation practices requested or imposed? Yes, because of limited water availability	7		8-10-93	lhr		50,16	1 his		62.75	400
me as pump setting f gage reading is in pounds per square inch (psi), If gage is direct reading, the gage reading and de indicate that in column. Tring the last year were water conservation practices requested or imposed? Yes, because of the limited treatment capacity No Yes, because of limited water availability	<u>Û</u>		8-10-93	Ihr		52.54	Ihr		(06.44)	414
ame as pump setting If gage reading is in pounds per square inch (psi), If gage is direct reading, the gage reading and de to water should be the same. Tring the last year were water conservation practices requested or imposed? Yes, because of the limited treatment capacity No Yes, because of limited water availability			8-10-93	lhr		52.1	1hr		64.71	452
If gage reading is in pounds per square inch (psi), indicate that in column. If gage is direct reading, the gage reading and de to water should be the same. Fing the last year were water conservation practices requested or imposed? Yes, because of the limited treatment capacity No Yes, because of limited water availability	<u> </u>		8-10-93	Ihr		51.91	Ihr		60.13	440
pe of restriction Dates Success or Est. amount of savings	ing th	ne last year ecause of ecause of	r were wate the limited limited wat	treatment er availab	capacity	tices reque 	ested or in No <u>×</u>			
Type of restriction Dates Success or Est. amount where there any future plans to increase treatment or supply	Yes, b	ccause		C	ess or Est	. amount	0	of savings	of savings	of savings



2204 Griffith Drive Champaign, Illinois 61820-7495

Telephone (217) 333-0239

We have records of the following wells/intakes.

Please correct inaccuracies and add missing information on this form.

Enter your water level information on back, if available.

11990150 BETHALTO

WELL# OR

SURFACE INTAKE#

STATUS

TWP RNG SEC

DEPTH

GALLONS PUMPED
MAX DAILY TOTAL ANNUAL



	e last year ng, jetting,			ells had tro lorination,		rehabilita	ition work	to restore	capacity,		
Yes <u>×</u> 1 ⊭6	No if y	es, please	list which	well numi	pers and ty	pe of trea	tments.				
If there w	vas a chang ice area.	e from las	t year; plo	ease provid	le a copy o	f your wa	ter rate sc	hedule and	d a map of		
					WATER	LEVELS					
Well No.	Airline* Length	Water	Nonpumping				Pum	nping			
		Level Date	Hours Off	Gage** reading (ft)	Depth to water (ft)	Hours on	Gage** reading	Depth to water (ft)	Pumping rate (gpm)		
** If gage indicate During the Yes, box Yes, bo	pump setting reading is in that in colume that in colume last year because of the pecause of the pecause of the pecause of the pecause	pounds per mn. were wat he limited imited wa	er conserv treatmen ter availal	ation prac t capacity	to wate	er should be	the same.	age reading	and depth		
Type of 1	restriction	Dates	Succ	ess or Est.	amount o	f savings					
Are there	e any futur	e plans to	increase t	reatment o	er supply c	apacity?					
No Yes, t	lischarge w to a munici to a stream to a septic :	pal wastev	surface wa			Syste You	em name _ r NPDES	permit#			